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# The CHEMIST AND DRUGGIST

or RETAILER - WHOLESALE - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2.

Registered as a Newspaper

3493  
KLVII

JANUARY 18, 1947

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ANTI-COLIC. RECOMMENDED BY HOSPITALS, DOCTORS AND NURSES

Ball Top, one-hole perforation, ensuring constant and steady flow.

Buffer shoulder protects baby's mouth.

Tab enables teat to be slipped over bottle in an instant with minimum handling.



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MODERN in design and must be TRIED to be appreciated.

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"MODERN" Teat has been specifically designed to meet the needs of both MOTHER and BABY, and what is of vital importance in these days—it LASTS LONGER. It is hygienic, odourless and tasteless.

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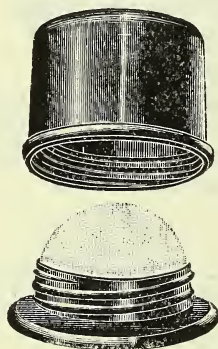
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In plastic case  
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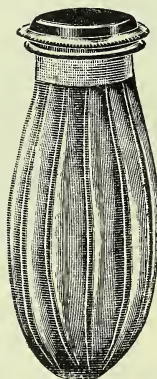


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CONSULT THE SPECIALISTS —

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*with the balanced formula*

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PREPARATIONS

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## Polyvitamin Capsules

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*Manufacturing Chemists*

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# Here's News



## for the Chemist

'Anadin,' 'BiSoDoL,' Kolynos and Perox preparations are now being distributed by the International Chemical Company Ltd.

The address of 'The Kolynos People,' however, remains unchanged. But the merger of Kolynos (Sales) Ltd., with the International Chemical Company Ltd., brings into being an organisation with a wide range of nationally-advertised products.

Look to your stocks of—'Anadin,' 'BiSoDoL,' Kolynos and I.C.C. lines, and take full advantage of the new 'ONE FIRM—ONE ORDER' policy now in operation.

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Telegrams: BOLSOKEMIC, WESTCENT, LONDON

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For some time past we have experienced considerable difficulty in despatching supplies of Andrews because of the acute shortage of cases.

## The position is NOW SERIOUS

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### HOW TO SEND

Fold cases flat, flaps inside, tie up. Ready addressed gummed labels obtainable from our travellers, or direct from us. Up to 15 lbs., by post (*state cost on label*). Over 15 lbs., by rail, c/fwd (*or state cost on label*).

# ANDREWS

SCOTT & TURNER, LTD.  
Andrews House, Newcastle-upon-Tyne, 2

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**PATA**

## LOSALL'S HALIBUT LIVER OIL CAPSULES

RETAIL PRICE 1/8 .. 12/6 doz  
-do- 3/4 .. 25/- doz  
TAX FREE

WE CAN SUPPLY BY RETURN POST

**LOFTHOUSE & SALTMER LTD**

MANUFACTURING CHEMIST

HULL



## MONEY IN YOUR TILL

Make your own finest quality toilet preparations quickly, easily, from our Emulsifiers. Just melt the Emulsifier and stir in hot water.

We can supply all your requirements—

**RAW MATERIALS,  
BOTTLES, JARS,  
LABELS, PERFUMES  
AND DYE STUFFS**

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*erving the Industry*



**TABLETS  
PILLS  
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● Our long experience as specialists has won a reputation for our extensive range of products in all branches of the industry.

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## TABLETS

(Indicated in all types of dry cough)

Owing to circumstances beyond our control, we regret that CODOFORME BOTOL has been in short supply, but we are now pleased to advise you that this preparation

**IS AGAIN AVAILABLE  
IN PACKINGS OF 20 AND 250 TABLETS**

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**PATA**

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*Throat & Chest*

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new type . . . .

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*The* VITAM  
MALT FOOD

With Vitamins (A. 6,500 I.U., D. 400 I.U.)  
per fl. oz.

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**T**HAT good toilet papers are in short supply today is only too common knowledge. The reasons why production does not catch up with demand are not so apparent.

As the actual manufacturers of fine toilet papers we are in the position to state that it is mainly due to the shortage of *suitable* raw material. Paper can of course be made from any grade of "scrap" but the types of material suitable for our Toilet papers are strictly limited.

Hence we are compelled to ration supplies to all our old customers and to refuse with regret for the time being to open new accounts.

But we are hopeful that the position will improve and enable us to satisfy all customers both old and new.

*These are the products of St. Andrew Mills*

ANDREX

The softest Toilet Tissue known made entirely from purest pulp. Note—the whole production of Andrex goes to the home market—none is exported.

Retail Price

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ANDROL

For those who prefer a glazed paper.

1/-

STANEX

MARVO

SAMARITAN

Absorbent unglazed paper not harsh and bulky crepe.

10½d.

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**SOAP  
SHAVING STICK  
OINTMENT  
TALCUM**



*-for Sensitive  
Skins!*

—MANN—

# TYEVITE

CAPSULES



## VITAMINS

For the first time *all* the vitamins essential to a balanced nutrition are packed in *one* capsule. TYEVITE capsules provide the ideal dietary supplement: one capsule taken daily guards against any vitamin deficiency.

TYEVITE capsules are made to the following formula, based on the most recent nutritional research:—

- Vitamin A 4,500 International Units
- Vitamin B1 0.3 mg. Riboflavin
- Vitamin B2 0.5 mg. Aneurin
- Vitamin C 15 mgs. Ascorbic Acid
- Vitamin D 600 International Units
- Vitamin E 0.15 mg. Tocopherol Acetate
- Calcii Phosph. 0.02 grammes
- Ferri Phosph. 0.1 grammes

Order now while supplies are plentiful—Tye-vite capsules are in demand. Retail price: 5/- for 25 days' supply. Bulk inquiries invited.

A PRODUCT OF

JOHN TYE



& SON LTD

LONDON N.7



*Why you should Sell*  
**WANDER**  
BRAND  
**MALT & COD LIVER OIL**



**OF UNSURPASSED QUALITY**

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The Cod Liver Oil used is the best obtainable and the malt extract is specially prepared by A. Wander Ltd., who are probably the world's largest producers of medicinal malt extract and are leading authorities upon its manufacture. These two ingredients are combined in the proportions most generally required by the medical profession.

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On the P.A.T.A.

Wholesale Prices: 1 lb. Jars **18/9**; 2 lb. Jars **35/6**

*Exempt from Purchase Tax*

Retail Prices: 1 lb. Jars **2/-**; 2 lb. Jars **3/10**

*For further details write to:-*

**A. WANDER, LTD.**

**5 & 7 Albert Hall Mansions**

**London, S.W.7**



# TALKING IT OVER ANNOUNCEMENT TO WHOLESALEERS

The pioneer selling schemes which we have been running in a number of districts have provided valuable information, in particular regarding Retailers' stocks.

In many cases Retailers were short of KORAY products, although we knew that their Wholesalers held stock. May we send you stickers for affixing to your correspondence, so that *your* Retailers know you are stocking KORAY products?

Incidentally, if we carry out a pioneer scheme in *your* area, all sales to Retailers will be drawn from *your* stock, as our sole purpose is to assist you in securing the fullest distribution of our merchandise.

Our plans for 1947 include a very large increase in our national advertising, in pursuance of our policy not only to make a quick turnover of our products from your shelves to the Retailer, but also from the Retailer to the public. An even greater public demand for KORAY products will be assured in 1947, which means increased demand from the Retailer, which only *you* can satisfy. We know we can count on your co-operation and assistance.

## TO RETAILERS

*Your* Wholesaler is almost certainly carrying stocks of KORAY products. Ask him for them, and be ready for the biggest demand in the history of The House of KORAY.



**3½<sup>D</sup> : 7<sup>D</sup> : 1/5 : 2/10**

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**THE HOUSE OF KORAY**

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**AT LAST !**  
**deliveries**  
**without**  
**delay**

**WE** are glad to announce that we have at last been able to increase production sufficiently to meet the ever growing demand for Juno-Junipah.

**ORDERS** can now be placed for any reasonable quantities with the certainty of prompt delivery

**THOMAS MARNS LTD.,**  
 2, Caxton St., London, S.W.1  
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## **JUNO - JUNIPAH**

*The Woman's Own Health Salts*



**A MOST VALUABLE FOOD  
 FOR INFANTS & INVALIDS**

1lb. size	2/3	doz.	20/-
2lb. size	4/-	doz.	36/-

Proprietors: **BROOK, PARKER & CO. LTD., BRADFORD, ENG.**

### **APPROVED PRODUCT FOR YOUR**

### **C. F. DISPLAY STAND**

**WINTERGREEN**

**-ANALGESIC**

**-CREAM**

in Tubes. Retail 1/7 including Purchase Tax  
 1 doz. Display Outers

**ANÆSTHETIC**

**-ANTISEPTIC**

**-OINTMENT**

in Tubes. Retail 1/7 including Purchase Tax  
 1 doz. Display Outers

**ANÆSTHETIC**

**-ANTISEPTIC**

**-DERMAL LOTION**

3 oz. bottles. Retail 2/2 including Purchase Tax

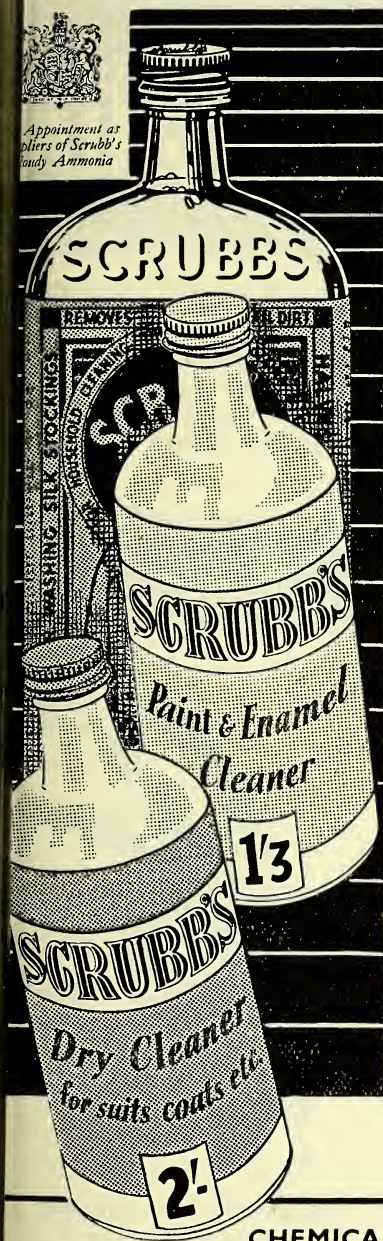
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Phone: BYRON 1440/1800 Grams: Damancy Harrow



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Cloudy Ammonia



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**Good  
Name  
behind  
them** !

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For all Paintwork, including Var-  
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Quickly and completely removes  
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Owing to shortage of bottles there  
is still considerable delay in  
executing orders.

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**CHEMICAL & NATURAL PRODUCTS LTD.**

Wimbledon Factory Estate, Morden Rd., London, S.W. 19





This is "Sparkie," who is appearing in the SPA Film to be released in nearly 600 cinemas.

**It has everything — quality, fine finish, and attractive appearance. Costs very little more—but gives much more in extra wear. A P.A.T.A. line—nationally advertised in press and films.**

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THE QUALITY OF ALL MBL PRODUCTS IS ABSOLUTELY IDENTICAL WITH THAT OF PRE-WAR PREPARATION

because of our heavy purchases immediately before war broke out. Our stocks are still considerable and the high MBL standard will be fully maintained.

THERE IS NO SHORTAGE OF ANY OF OUR PREPARATIONS

				Retail Prices	CHEMISTS' PRICE					
					Per unit			Per dozen		
				(inclusive of Tax)	Net	+	Purchase Tax	Net	+	Purchase Tax
<b>ANTIPEOL</b>										
<b>TMENT</b>										
	4 oz. tube	...	...	...	6/8½	+	8½	50/5	+	8/5
	40 gr. "	...	...	...	3/4½	+	4½	25/3	+	4/3
	20 gr. "	...	...	...	1/10½	+	2½	14/-	+	2/4
<b>QUID</b>										
	40 c.c. bottle	...	...	...	3/4½	+	4½	25/3	+	4/3
<b>PHTHALMO-ANTIPEOL</b>										
	gr. Nozzled Tube	...	...	...	3/4½	+	4½	25/3	+	4/3
<b>RHINO-ANTIPEOL</b>										
	gr. Nozzled Tube	...	...	...	2/9½	+	3½	21/-	+	3/6
<b>ITEROFAGOS (ORAL AND INJECTABLE)</b>										
	Box of 50 ampoules	...	...	...	19/-		13/3½	159/7		None
	" 10 "	...	...	...	4/3		3/-	35/8		None
	" 5 "	...	...	...	2/6		1/9	21/-		None
<b>ETENSYL</b>										
	Box of 500 tablets	...	...	...	39/-	+	4/-	288/-	+	48/-
	Box of 50 "	...	...	...	4/5½	+	5½	32/4	+	5/3
<b>JAMES' BALM</b>										
	Box of approx. 2½ oz.	...	...	...	2/10	+	4	22/6	+	3/9
	" " 1 oz.	...	...	...	1/5	+	2	11/3	+	1/11
	Box ...	...	...	...	1/2	+	2	9/-	+	1/6

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Terms: NETT, Monthly Account.

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**CARVANSONS LTD.**

**Monton Lane Works, Eccles, Lanes.**

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## THE REASON

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Coty answers the demand brilliantly—by just three basic preparations that give all a woman needs for thorough care of the complexion. National advertising in Press and Magazines is featuring this . . . the "Simple Life in Beauty Care". Restriction still limits distribution but as generous a selection as possible will be included in all future Quota deliveries.

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Retail price 5/10.

**COTY SKIN FRESHNER (two sizes)**  
No. 60 retail price 6/9.  
No. 60 Bis retail price 12/6.

*Coty*



PATA

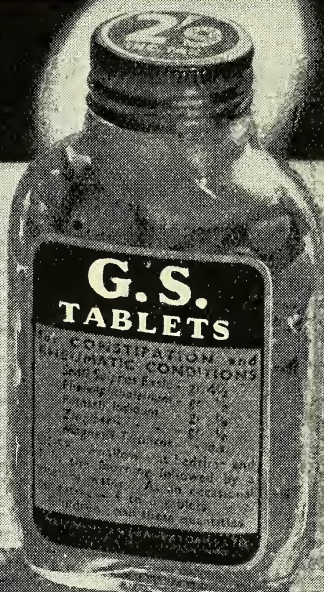
## **G.S. Tablets**

### **FOR CONSTIPATION AND RHEUMATIC CONDITIONS**

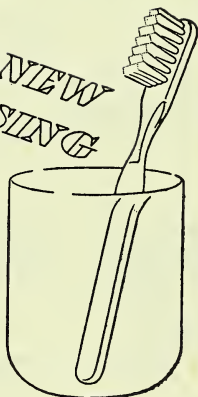
Pack	Retail inc P.T.	Trade doz.	Pur. Tax. doz.
50 tablets	1/5	10/-	1/8
110 tablets	2/9	20/-	3/4

From your C.F. Wholesaler or, in case of difficulty, from the manufacturers.

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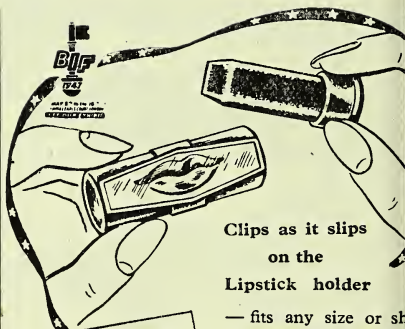
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# QUIZ

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MAKERS OF FINE BRUSHES FOR OVER 150 YEARS



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— fits any size or shape.  
The first new idea to  
the New Year. A  
framed in three fin  
Wholesale and Export  
quiries cordially inv



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LIPSTICK MIRROR

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**TOKALON LTD.**  
**ANNOUNCES**  
**PRICE INCREASES**  
for certain of its products  
as from 1st Jan. 1947.

Permission to increase the prices of the following Tokalon products has been granted by the price control authorities. Permission has also been obtained to maintain retailers' profits on the customary percentage basis, so these lines will show an actual profit increase to distributors.

*New Retail Selling Prices including Purchase Tax:*

---

POUDRE TOKALON 2/-

---

MEDIUM VANISHING SKINFOOD 2/-

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BIOCEL SKINFOOD 2/7

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LARGE VANISHING SKINFOOD 3/-

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*Trade Terms on application*

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TOKALON LTD., 356, OXFORD ST., LONDON, W.1.



**LYSOL LTD**

Effective 19th December 1946  
the name of the Company

**is changed to**

**LEHN & FINK PRODUCTS  
LIMITED**

The Company manufactures such world-renowned products as Lysol (Marshall's Original) O-syl Antiseptic, Lygel, Lygene, Etiquet and also distributes for its Associated Company, A. S. Hinds Ltd., Hinds Honey & Almond Cream and Hinds Cosmetic Creations.

The Directorate, Management, Policy and Financial Ownership of the Company remain unchanged by the alteration in name, which has been adopted to better identify in the Home and Export markets the Company's ramifications.

**LEHN & FINK PRODUCTS LIMITED**

*Regd. Offices and Manufacturing Plant :*

RAYNES PARK, LONDON, S.W.20

**MOTHAKS** REGD

ALL A NATIONAL MENACE  
Moths  
Mothaks  
THE GREAT SAFEGUARD AGAINST  
SAVE YOUR CLOTHES  
FROM RUIN

THOMPSON & CAPPER  
WHOLESALE LTD.  
LIVERPOOL  
ENGLAND

Guardians of the Wardrobe

The illustration features a central rectangular box of Mothaks, with its label clearly showing the brand name and manufacturer details. Surrounding the box are several circular Mothaks discs, each with the brand name embossed on it. These discs are suspended by thin vertical lines, giving the impression of being part of a protective barrier. The entire scene is set against a dark, textured background that resembles a woven fabric or a mesh screen. The word 'MOTHAKS' is written in large, bold, serif capital letters at the top, with 'REGD' in smaller letters to its right. Below the illustration, the phrase 'Guardians of the Wardrobe' is written in a large, elegant, cursive script.

The moth damage preventive  
with an enviable reputation  
for efficiency.

INCREASED ADVERTISING AND MORE SHOW  
MATERIAL IN 1947 - ORDER EARLY

Made by THOMPSON & CAPPER WHOLESALE LTD., LIVERPOOL, 19.





*NOW is the time to  
build up YOUR sales  
with a* **PENTNOR** *QUALITY PRODUCT*

which will be asked for by your customers. We have an excellent selection of Toilet & Beauty Preparations suitable for Men and Women and specialities for the Children. Send your orders immediately and secure priority delivery.

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**RUFF & CO. (SALES) LTD.,** Pentnor Laboratories,  
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Manufacture still  
prohibited—but worth  
waiting for.  
Keep the name in mind.

Wholesale only

Made by

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## LOVELY WOMEN STILL CALL FOR CRÈME SIMON PRODUCTS

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Retails at 4/9, 9/-, 33

★ "SEBOSTN" a hair food and ha  
make-up. Retails at 10

★ EAU DENTIFRICE more than  
mouthwash.

Retails at 1/9, 3/-, 5/6, 10  
including purchase t

Are you qualifying for these special display  
terms on parcels of 1, 2 or 3 products?

5% discount on £6 (Excl. P.T.) parcels

7½% " " £12 " "

10% " " £25 " "

Chemists profit is 75% on cost price

(and over)

preparations by

**Steiner**

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## "ZEMS" HERBAL LICORICE TABLETS

THE BEST MEDICATED TABLET  
FOR COUGHS, COLDS  
ASTHMA, BRONCHITIS, ETC.

Supplies may be obtained from C.F.  
Wholesale Houses

**ZEMS, LTD.**

718-724 Seven Sisters Road, London, N.15



# NEW

A double-edged  
blade that is  
hollow ground, li  
a barber's razor

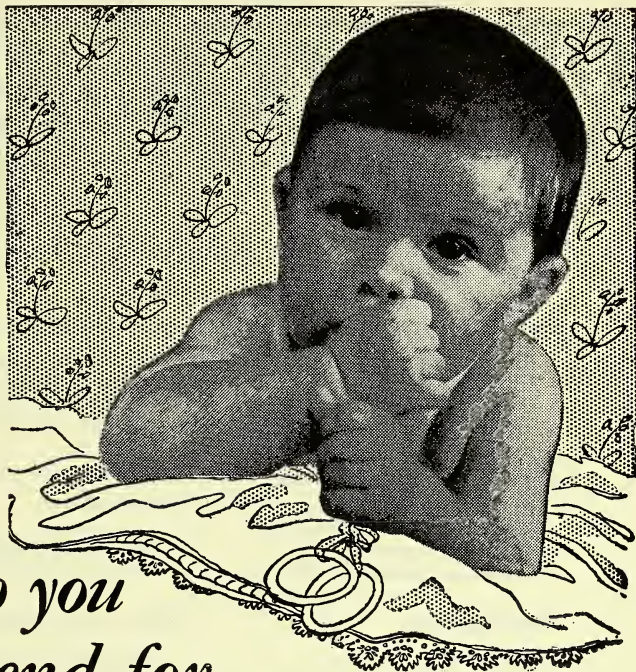
Hollow ground edge.  
edge of a PAL Blade  
hollow ground, like a  
ber's razor. It is so k  
you should advise  
tomers to shave with a  
stroke for the first few sh

'Feather touch.' Because it is hollow grou  
the edge is flexible in the razor . . . follows  
curves of the face easily . . . shaves with ju  
'feather touch.' No pull. No scrape.

National advertising for PAL is now runnin  
newspapers and magazines. PAL retails at 3  
6d., or 12 for 2/-. Stock and recommend  
remarkable new blade. Made in Britain, Can  
U.S.A., and South America, and sold all over  
world.

Pal Blades, Hillington, Glasg

## PAL HOLLOW GROUND BLADE



*What do you  
recommend for  
nappin rash?*

Your most convincing reply is 'Borofax.'  
Convincing because 'Borofax' embodies all those  
qualities — smoothness, mildness and resistance to mois-  
ture — which make it so desirable for sensitive baby  
skin. 'Borofax' once introduced, has a remarkable  
repeat value extending through the years of childhood  
when cuts and abrasions are daily occurrences.

# **'BOROFAX'**

BRAND

## **OINTMENT**

*In glass jars, 9d. plus 1d. purchase tax, 1/6 plus 2½d. purchase tax  
(Subject to trade discount)*



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# WARRICK BROS. LTD.

R. HENDRIE & CO. • ESTAB. 1760 • MADDOCKS & CO.

## FINE PRODUCTS FOR THE PHARMACY!

### CAPSULES

Bulk Packed and Speciality  
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Cold Cure, Influenza  
'Stankap' Asthma

### DIGESTIVE Preparations

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### OINTMENTS

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### PASTILLES (Medicated)

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Antiseptic Throat  
Catarrh, Cough  
and others but all temporarily  
in restricted supply

### COUGH & COLD Products

Cold Cure Capsules  
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Tooth Paste  
Effervescent Dentifrice Tablets  
Effervescent Denture Tablets

### PILE Preparations

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and others  
Suppositories  
Pellae 8-day Treatment

### LOZENGES & TABLETS

Usual popular formulae,  
but all temporarily  
in restricted supply.  
Cough, Bismuth Comp.  
Bismuth Dyspepsia, etc.

AND MANY OTHER LINES

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CORRESPONDENCE FROM OVERSEAS SOLICITED

## NILE STREET • LONDON



# The CHEMIST AND DRUGGIST

For RETAILER—WHOLESALE—MANUFACTURER

Published weekly at 28 ESSEX STREET, STRAND, LONDON, W.C.2

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## NEWS OF THE WEEK

**Infantile Paralysis Virus.**—The claim made by Stanford University, U.S.A., that members of its research staff have isolated an 80 per cent. pure virus of infantile paralysis. The virus is reported to act as a protein.

**London Research Fellowship.**—Boots, Ltd., have endowed a research fellowship of an annual value of £1,000 at St. Mary's Hospital, London, W.C.1, for seven years. Dr. R. E. B. Hudson has been elected the first fellow.

**Liver Extract Supplies.**—Restrictions on the manufacture and use of preparations of liver extract for oral or parenteral administration have been removed by the Liver Extract (Regulation of Use) Revocation Order, 1947 (S.R. & O., 1947. No. 39).

**Validity of Soap Coupons.**—The Minister of Food, at a Press conference on January 14, promised to examine the possibility of sanctioning the acceptance of consumers' soap coupons at any time within a retailer's eight-week allocation period.

**Revocation of the Pepper Order.**—The Minister of Food has made an Order revok-

ing the Pepper Order, 1943, with effect from January 12. In future the import of pepper will revert to trade channels, and import licences are being granted to recognised trade users for this purpose. (See p. 97.)

**Wholesale Prices in December 1946.**—The outstanding movement in wholesale prices in December 1946 as shown by the Board of Trade index number, was an increase of 5.5 per cent. in "chemicals and oils." This was the result of a 63 per cent. increase in the price of crude palm kernel oil and a rise of 48 per cent. in that of refined groundnut oil.

**New Rules of Arbitration.**—The British Chemical and Dyestuffs Traders' Association has issued a new set of rules of arbitration, which provide for a Board of Appeal, thus avoiding court action should there be an appeal against the arbitrator's decision. Copies may be obtained on application to the Secretary, Coronation House, 4 Lloyds Avenue, London, E.C.3.

**F.B.I. President-elect.**—Sir Frederick Bain, M.C., has been unanimously nominated president of the Federation of British



**Industries.** The nomination will come before the annual meeting of the Federation in April, when Sir Clive Baillieu, K.B.E., C.M.G., retires from the presidency. Sir Frederick is also vice-president of the British Employers' Confederation and deputy chairman of Imperial Chemical Industries, Ltd.

**Coal Allocations Cut.**—The Minister of Fuel and Power and the President of the Board of Trade announced on January 13 that new arrangements for supplying coal to industrial consumers would operate from January 20. So that electricity power stations may be given absolute priority, allocations to other industrial consumers are to be reduced by about half. Special additional supplies will be made available to firms of national importance, in amounts to be decided by regional fuel committees, subject to guidance from the Ministry.

**Rise in Retail Chemists' Sales.**—The sales of independent chemists during November 1946 were, for the fifth month in succession, 11 per cent. higher than in the corresponding month of 1945. The index number for sales declined by 9 per cent. between September and October, but rose again by 3 per cent. in November. Over forty contributors sent in returns from two areas—the North-east and the South of England—and the rises in sales in these areas, compared with a year ago, were 13 and 11 per cent. respectively. In the other five areas, sales showed increases ranging from 6 to 30 per cent. The "fancy departments" group showed a rise of 23 per cent., compared with the sales recorded for November 1945.

**British Institute of Management.**—The President of the Board of Trade announced on January 9 the names of persons who have accepted an invitation to serve on the first Council of the British Institute of Management, under the chairmanship of Mr. C. G. Renold. The Council includes: Sir Clive Baillieu (Imperial Chemical Industries, Ltd.), Messrs. J. E. Myers (principal, Municipal College of Technology, Manchester), C. N. Potter (Ilford, Ltd.), John Ryan (Metal Box Co., Ltd.), and M. H. Taylor (Taylor, Taylor & Hobson, Ltd.). The representative members are Sir Norman Kipping (Federation of British Industries), Lord Dukes (Trades Union Congress) and Mr. J. I. C. Crombie (Civil Service). Correspondence for the Council should be addressed to the acting secretary, Room 453, I.C. House, Millbank, London, S.W.1.

### Intermediate Examination Results

The following external students have passed the intermediate examination in pharmacy of the University of London in November 1946:—Jean Gladys Ash (Newport Technical College), Will Edward Court (private student), Sid Fenton Forse (Bradford Technical College), George Frederick Green (Merchant Venturers' Technical College, Bristol), Maurice John Hedge (private student), Jean Jung (Bradford Technical College), Reginald Edwin Knight (private student), Vivian Harold Seaton (Leicester College of Art and Technology) and Kenneth Tu (University College, Nottingham). The following Higher School candidates have completed exemption from the intermediate examination:—Enid Liane Allen (private student), Rees Temple Coghlan (Norwich City College and Art School) and Mary Lakeland Knowles (Chelsea Polytechnic).

**Labelling of Tonic Wines.**—The Labelling of Food Order, 1946, issued recently by the Ministry of Food (S.R. & O., No. 2169) substantially re-enacts the Labelling of Food (No. 2) Order, 1944, and various amending Orders which it supersedes. In addition, new provisions are introduced, mainly concerning the labelling of intoxicating liquor, which is defined as "spirits, wine, beer, cider, perry and such and any fermented, distilled or spirituous liquor which cannot be lawfully sold without a wine licence." All such liquors, when sold in bottles, must be labelled with an indication of their true nature, their country of origin and, with certain exceptions, their alcoholic strength. Intoxicating liquors for which tonic, restorative or medicinal properties are claimed must be labelled with a statement indicating the approximate percentage present of the added ingredients on which the claims are based. Where liquors are packed in advance by a retailer on the premises on which they are sold by him, certain exemptions apply but the provisions of the Order become effective on April 1, 1947. In all other circumstances the section of the Order concerned with intoxicating liquor comes into operation on January 1, 1948.

**Doctors and the N.H.S.**—The presidents of the Royal College of Physicians, the Royal College of Surgeons and the Royal College of Obstetricians and Gynaecologists, recently sent to the Minister of Health a letter requesting clarification of certain points in connexion with the National Health Service. In his reply,



Minister stated that (1) entering into discussion on the Service would not imply the approval and acceptance by the doctors of main provisions of the Act; (2) the Government had accepted the view that remuneration should be based substantially on capitation fees, with a small salary element; (3) the Minister would be willing to discuss with the doctors' representatives the possibility of providing additional provision in appealing against a decision by a tribunal; (4) a doctor who wished to practise in the public service in a new area would normally make his arrangements through the local executive council, the approach of the central committee being formal; specialists would be free to remain outside the Service, to join it on a whole- or part-time basis, or to be on the staff of a hospital in an honorary capacity. A resolution passed by the St. Marylebone division of the British Medical Association on the motion of Lord Horder on January 14 called for "some new statutory action" on the part of the Government to enable doctors to co-operate with it in evolving a complete health service for the nation. At another resolution the division agreed that the Minister of Health should be informed that, because of the divergence between the principles of the profession and the provisions of the National Health Service Act, their committee was unable to enter discussions with the Minister on the regulations to be made under the Act. Lord Horder said that it was for the Minister to take the next step.

## LOCAL NEWS

**Walthamstow Photographic Talks.**—At a meeting of the Walthamstow Pharmaceutical Association on January 8, Mr. P. S. Willcocks in the chair, papers on "Photographic Topics" were given by Messrs. R. Williams and P. S. Willcocks. Mr. Williams traced the development of photographic dealing from a chemist's point of view, showing how the amateur had copied the professional, as photographic apparatus had become more portable. The amateur had depended for his chemicals on the chemist who gradually stocked plates, papers and other accessories. With the advent of the box camera, folding cameras and popular roll film, huge business had been built up. The war had caused a set-back to the trade but in the circumstances the amount of business done had been remarkable. Mr. Williams prophesied a great boom in photography especially in

colour and cine photography, as supplies became available. Mr. Willcocks dealt with the developing, printing and processing side of photographic work. He had originally started with two drain pipes in which to suspend the films, but later mechanical apparatus and many specially designed gadgets had been added. Processing was now being done by photo-electric methods. Mr. Willcocks described how two "films," purchased from a street seller, had been brought to him for developing. They proved to consist only of the red and black paper in which films are usually rolled, sealed with black paper.

## IRISH NEWS

**Eire Drug Workers' Claim.**—The claims of about 600 drug workers, a strike notice from whom, served on the Irish Wholesale Drug Association, has been suspended, will be investigated by the Dublin Labour Court on January 20. The men seek an increase of 15s. for a forty-hour week. The present average rate is £4 5s.

**Eire Students' Council.**—At a meeting of the Pharmaceutical Students' Representative Council, held recently in Dublin, it was reported that Mr. N. Scroope (president) had accompanied the officers of the Pharmaceutical Society of Ireland on their recent formal visit to the President of Eire. (see *C. & D.*, January 11, p. 40). Mr. Scroope, with Mr. Byrne, (correspondence secretary) had also attended the recent conferring ceremony (see *C. & D.*, January 11, p. 58). Mr. Allshire was appointed representative to the Irish Students' Association Congress to be held in Belfast in January. Matters of academic interest to students were then considered, and New Year greetings extended to all pharmaceutical students.



**DUBLIN GOLFERS' DINNER.**—Guests at the annual dinner of the Irish Chemists' Golfing Society, held recently in Dublin. Front row, left to right: Messrs. J. J. Roche, J. K. Whelehan (president, Pharmaceutical Society of Ireland), P. McAuliffe (Captain), M. Costelloe (president, Irish Drug Association) and P. A. Brady (vice-president, Pharmaceutical Society of Ireland); standing, left to right: Messrs. P. Fabey, S. J. Savage, D. J. Nugent, J. Gleeson, A. W. Hughes and P. F. McGrath.

## COMPANY NEWS

**KAY'S CHEMICAL PRODUCTS, LTD. (P.C.).**—Capital £1,000. To carry on the business of manufacturing, dispensing and analytical chemists and druggists, etc. Peretz Kleiman and Katie Kleiman, directors. R.O.: 10 Coleman Street, London, E.C.2.

**TEITZ & SCOTT, LTD. (P.C.).**—Capital £5,000. To carry on the business of manufacturing, wholesale, retail chemists, druggists, etc. Maurice Teitz and Edward C. Scott, directors. R.O.: Copthall House, Copthall Avenue, London, E.C.2.

**HUGHJO PRODUCTS (WHITSTABLE), LTD. (P.C.).**—Capital £500. To carry on business of manufacturing and retail chemists and druggists, etc. Stanley L. Hughman, John L. Jaques and Robert Puppin, directors. R.O.: 2A Albert Street, Whitstable.

**L. HUDSON BANKS (ICKENHAM), LTD. (P.C.).**—Capital £2,000. To carry on the business of chemists, druggists, opticians, etc. L. Hudson Banks and Mrs. J. M. Pugh, directors. R.O.: 1 Swakeleys Road, Ickenhams, Middx.

**WINKLEY DISTRIBUTORS, LTD. (P.C.).**—Capital £1,000. To carry on the business of manufacturers of and dealers in toilet preparations, chemicals, drugs, toilet requisites, perfumes, etc. Edgar Hewitt, Derrick D. Lindsay and James H. Burn, directors. R.O.: 2 Kirkham Street, Preston.

**SURGICAL & MEDICAL SUPPLIES, LTD. (P.C.).**—Capital £1,000. To carry on business of manufacturers, importers and exporters of and dealers in surgical, medical, dental and optical goods, etc. Mrs. Rebecca Marco, director. R.O.: 9 Cumberland Street, Glasgow, C.5.

**BRITISH SOLVATES, LTD. (P.C.).**—Capital £1,000. To carry on the business of manufacturers of and dealers in chemicals, pharmaceutical and cosmetic products, and toilet requisites, etc. Ezra Shemesh, director. R.O.: 46A Finsbury Square, London, E.C.2.

**MICHEL WILMONT, LTD. (P.C.).**—Capital £1,000. To carry on the business of manufacturers of and dealers in chemical products of all kinds, including toilet preparations. Harry Sheppard and Helen Myers, directors. R.O.: 5 Mitre Street, London, E.C.3.

**KEMBALL, BISHOP & CO., LTD.**—Mr. W. W. Muir has been elected a director and has been appointed commercial manager of the company. He was formerly the company's secretary.

## BUSINESS CHANGES

**RODMILL CHEMICAL CO., LTD.,** 49 St. Anne Street, Liverpool, 3, have appointed Mr. Donald Walshe as sales manager.

**CYCLO-CHEMICALS, LTD.,** have appointed Dr. H. A. Fischer director of research and production.

**MR. CLEMENT MORRIS, M.P.S.,** has acquired the pharmacy at 65 Ridgway, Wimbledon, London, S.W.19.

**MR. T. MACOLM CAIRNS, M.P.S.,** has opened a pharmacy at 68 London Road, Dover.

**MORGAN'S POMADE CO., LTD.,** and **MARIE ANTOINETTE & CO., LTD.,** have returned to 1 Grenville Road, London, N.1.

**BRITISH ALUMINIUM CO., LTD.,** have appointed Mr. F. W. Osborn, manager of their Midland branch at Landsdown House, 41 Water Street, Birmingham, 3.

**MR. J. E. CLEGG, M.P.S.,** has acquired a business at 75 Parchment Street, Winchester, and has converted it from a drug store to a pharmacy.

**MR. E. M. PHILLIPS, M.A., M.P.S.,** has been appointed London manager of the wholesale and export department of **Boo Pure Drug Co., Ltd.**

**WARREN, STANLEY & CO., LTD.,** wholesale chemists and sundriesmen, have now removed to 129 High Street, Edgware, Middlesex. (Telephone Edgware 8265.)

**THE ASSOCIATION OF BRITISH CHEMICAL MANUFACTURERS** has opened an office at Jannabhoomi Chambers, Fort Street, Ballard Estate, Bombay, 1, India (Telephone Bombay 30457).

**MR. CYRIL DAVIES, M.P.S.,** has acquired the pharmacy formerly carried on by the executors of the late Mr. Henry I. Jones at Sycamore Street, Newcastle Emlyn, Cards.

**MR. JAMES W. HAMILTON** is continuing on his own account the wholesale chemist business of John Hamilton & Co., 18 Watson Street, Glasgow, following the retirement of his two former partners, the Misses I. M. and M. E. Hamilton.

**MR. P. C. GONDOS, M.C.,** joint managing director with the late Mr. A. Revai (see p. 72) of the business of A. Revai & Co. Ltd., chemical merchants, 7-8 Idol Lane, London, E.C.3, since its foundation, is continuing the business with the assistance of the executors. Mr. Gondos resumed his directorial duties twelve months ago after serving with the 14th Army in Burma.



## TOPICAL REFLECTIONS

### Health in Factories

In summarising and commenting on the latest annual report of the Chief Inspector of Factories (pp. 43, 46), you call attention to a matter of increasing significance. Competent observers of factory output agree that productivity and what is known as welfare are interdependent. Between the work of contented and that of discontented employees there are differences in kind, degree or both. The statistics of industrial poisonings cited are worth studying, and lead to a consideration of wider aspects of welfare. Directors of large manufacturing houses consider at frequent intervals, without doubt, the possibility of trying new methods of interesting and helping their staffs. One method which I had not previously met with is the system of "works guardians" mentioned on p. 46. Obviously the selection of "ordinary, sound, sensible" people to adopt this rôle needs to be made with care. Since your issue of last week arrived I have seen details of the latest Council of the British Institute of Management, another factor in the growing understanding of what is involved in large-scale working. More than a year ago *C. & D.*, 1945.II.605 you announced the appointment, by the President of the Board of Trade, of a committee to formulate proposals for the establishment of this Institute. The Council, numbering twenty-nine members, includes several well-known leaders in industry; and the Institute, though formed with Government help, is expected to become self-supporting. The composition of its Council gives promise of a more systematic treatment of the problem.

### Diminishing Functions

Your review (p. 45) of the functions of the Pharmaceutical Society of Great Britain is laid down in its Charter is timely. Though there may, as you suggest, come a time when "the need for charitable provision by one section of the community on behalf of its members will be removed, either wholly or mainly, by National contributory schemes," I venture to hope that the Benevolent Fund of the Society will be permitted to remain in existence. In any Government scheme of relief, or charity, or whatever it may be called, there will almost invariably be a soulless uniformity, an uncomprehending torpor in the administration, repellent to every intelligent recipient of the dole or bounty. Any supplementary

help that this admirable fund can give will then be worth more than its current financial value. We shall know more about the Council's ideas on the subject of protection when it issues a report on a committee's examination of the Society's constitution: when the time arrives, ordinary members may have something to say. In promoting education the Council should (and I trust does) try to strike a just balance between changing standards of scientific knowledge—and, to some extent, of general education—and the needs of pharmacists engaged in business, who form the majority of people on the registers. My view is that examination requirements should never be increased without the most careful consideration. Finally, it is late in the day to think of perpetuating the ancient concept of advancing chemistry and pharmacy. Since it annexed the British Pharmaceutical Conference the Society has, through the Conference, advanced pharmacy: in chemistry it can reasonably expect to advance only those branches associated with pharmacy and medicine.

### A Fortune in Ambergris

Even if allowance is made for local exaggeration, the quantity of ambergris recently taken into harbour at Buenos Aires (p. 65) probably forms a record for one "catch." From an article by Mr. A. C. Stirling in your issue of March 17, 1934, I learn that this substance was an article of commerce in North-west Africa as early as the tenth century, and that in the first half of the sixteenth century it formed part of a gift by a sultan to a mountain chief. The speculations of mediæval authors on its origin could no doubt furnish material for an essay. The accepted modern theory that it is a pathological growth in the stomach of the sperm whale is borne out by the presence of mandibles of cuttle-fish in almost every specimen. The largest lump mentioned by Mr. Stirling, weighing over 336 lb., came on the London market in 1913. Lumps approaching this size are found in the stomach of the whale, whereas more or less spherical pieces weighing from 5 oz. to 25 oz. are obtained from the bowel. A "parcel" illustrated in the article mentioned consisted of about thirty lumps weighing together 205 oz. White ambergris, comparatively rare and found only in small pieces, is considered the finest kind. The quality usually selected as fine is silver-grey or pale golden.

**Xrayser**



## MARRIAGE

**Diamond Wedding.**—**HOOPER-EVANS.**—At Ootacamund, Southern India, on January 19, 1887, David Hooper, Ph.C., Indian Government quinologist, to Hannah Carr. Present address, 50 Durham Avenue, Bromley, Kent.

## DEATHS

**BLAIR.**—In the Mayo Hospital, Lahore, India, on December 28, 1946, Mr. W. F. Blair (sales staff, A. Boake, Roberts & Co., Ltd., chemical manufacturers, London). Mr. Blair, who had been in the service of the company since April 1926, had travelled extensively throughout the world, and particularly in the Far East, on the company's business. From 1938 to 1946 he made his home in Scotland and represented his company in that territory. During 1946 it was arranged that he should make one more visit to India, but he became seriously ill while at Lahore. Mr. Blair was held in high esteem by his colleagues.

**INGRAM.**—Recently, Mr. Alexander A. Ingram, formerly assistant manager for Ogston & Tennant, Ltd., soap manufacturers, Aberdeen. Mr. Ingram joined the company in 1892, and became assistant manager in 1941, but later went into retirement. He was well known in the commodity markets in Glasgow and Liverpool.

**OLLEY.**—On December 31, 1946, Mr. Derrick Boyce Olley, 127 The Drive, Ilford, aged twenty-seven. Mr. Olley was a director of C. Olley & Sons, Ltd., manufacturers and importers of corks and corkwood, London. He was the second son of Mr. E. C. Olley, managing director of the company; his only brother, Lieutenant Bruce Leonard Olley, was killed in action in Normandy in 1944, also at the age of twenty-seven. Mr. Derrick Olley was a member of the Stepney Rotary Club. The funeral was attended by representatives of the company, of Cork Products, Ltd., the Cork Trade Association, and other bodies.

**POOLES.**—In an aeroplane crash at Stowing, near Lympne, Kent, on January 13, Mr. Mark Pooles, O.B.E., chairman and managing director of Lewis & Peat, Ltd., produce brokers, Plantation House, Mincing Lane, London, E.C.3. He had been associated with the company for over forty years.

**REVAL.**—On January 12, after an illness of several months' duration, Mr. A. Reval, D.Sc. (A. Reval & Co., Ltd., London). Mr. Reval founded the business as chemical merchants in the City of London in the early 'twenties.

## PERSONALITIES

**MR. W. J. TRISTRAM, M.P.S.,** has been appointed to represent the Liverpool council on the executive committee of the Liverpool Personal Service Society.

**SIR ROBERT ROBINSON, D.Sc., LL.D.,** has accepted the invitation of the Chemical



Society to deliver the Faraday lecture during the Society's centenary celebrations in July 1947. Sir Robert, who is president of the Royal Society, and is Waynflete Professor of Chemistry at Oxford, possesses among other academic distinctions the honorary Doctorate of Pharmacy from Madrid University. Sir Robert is

past-president of the Chemical Society, and would have presided over the centenary celebrations had they been held in 1919, exactly 100 years after the Society's foundation. His contributions to chemistry include work on electronic influences in organic chemistry. The Faraday lectureship is the highest honour which the Chemical Society can confer, and former Faraday lecturers include Dumas, Cannizzaro, Mendeleev, Lord Rayleigh and Lord Rutherford.

**MR. E. C. QUILL** (a member of the board of directors of Kemball, Bishop & Co., Ltd.) has retired after being with the company for forty-five years.

**MR. REUBEN HUDSON, M.P.S.,** 110 Padiha Road, Burnley, Lancs, has been appointed borough magistrate. Mr. Hudson, who is secretary of the Burnley Branch of the Pharmaceutical Society, served as mayor of the town during 1946.

**DR. JOHN SHIEL, Ph.C.,** barrister-at-law, 70 Lower Drumcondra Road, Dublin, has been appointed visiting justice to Mountjoy Prison, Dublin. He has also been appointed professor of the materia medica of extra-pharmacopœial drugs and therapeutics, at the Apothecaries' Hall, Dublin.

**MR. W. H. PADGET, M.P.S.,** and Mr. Padget recently celebrated their golden wedding. Mr. Padget has been in business in Newport, Mon., for twenty-five years and for fourteen years previously was employed as a dispenser at the Royal Gwent Hospital, Newport.

# C. & D. DISPENSING PRICE LIST

The following price changes which took place during December 1946 should be noted :—

	Due allowance has been made for purchase tax in both cost and dispensing prices	Dispensing price					
		4 oz.		1 oz.		1 dr.	
		s.	d.	s.	d.	s.	d.
lb.	Adeps lanæ ..	0	11	0	3	—	—
lb.	Adeps lanæ hydrosus ..	0	11	0	3	—	—
lb.	Aloe Curaçao pulvis ..	4	0	1	1	0	2
oz.	Amidopyrina R only ..	—	9	3	1	5	—
lb.	Aurant. cort. sicc. exot. ..	2	7	0	9	—	—
oz.	Balsamum toltanum ..	—	3	9	0	7	—
doz	Bromum (2-c.c. tubes) ..	each	1	4	—	—	—
lb.	Camphora (½-oz. tabs.) ..	—	2	3	0	4	—
oz.	Carbromalum ..	—	10	2	1	8	—
oz.	Chloral. formamidum P.I. (8) ..	—	4	1	0	7	—
oz.	Chloramina ..	—	1	1	0	2	—
oz.	Chlorophyllum (spirit-soluble) ..	—	5	3	0	9	—
lb.	Collod. salicyl., B.P.C. ..	2	8	0	9	0	2
oz.	Collod. salicyl. co. P.I. (9) ..	—	2	0	0	3½	—
lb.	Cresol. P.I. (8) ..	0	9	0	2½	—	—
oz.	Ext. ipecacuanhæ liq. ..	—	10	2	1	8	—
lb.	Ext. sennæ liq. ..	2	3	0	8	0	1½
lb.	Ext. stramonii liq. S.I. (5) ..	4	2	1	2	0	2
lb.	Glycerinum (16-oz. 3-7) ..	1	0	0	3½	—	—
lb.	Hydrarg. cum creta ..	3	6	1	0	0	2
oz.	Hydrarg. oleatum S.I. (4) ..	—	1	6	0	3	—
lb.	Inf. rhei conc. ..	4	11	1	4	0	2½
lb.	Lin. aconiti (meth.) ..	2	0	0	7	0	1
lb.	Liq. tolt. ..	2	6	0	8	0	1½
oz.	Menthol ..	—	9	6	1	7	—
lb.	Ol. arachis (16-oz. 1-8) ..	0	6½	0	2	—	—
oz.	Ol. aurantii amara ..	—	5	9	0	10	—
oz.	Ol. aurantii dulcis ..	—	4	5	0	8	—
lb.	Ol. cadinum ..	4	3	1	2	0	2
lb.	Ol. palmæ ..	0	9	0	2½	—	—

Cost		Due allowance has been made for purchase tax in both cost and dispensing prices	Dispensing price					
			4 oz.		1 oz.		1 dr.	
d.	per		s.	d.	s.	d.	s.	d.
7	oz.	Pulv. anti-monial S.I. (5) ..	—	1	2	0	2	—
20	oz.	Pulv. ipec. et opii S.I. (5) ..	—	2	11	0	5	—
35	lb.	Sodii et potass. tart. pulv. ..	1	4	0	5	0	1
17	oz.	Styrax ..	—	2	6	0	5	—
25	lb.	Syrup. toltanus	1	2	0	4	0	1
10	oz.	Tr. guaiaci ammoniata ..	—	1	8	0	3	—
77	lb.	Tr. ipecacuanhæ	2	9	0	9	0	2
8	oz.	Tr. lobeliæ simp., B.P.C. ..	—	1	3	0	2	—
24	lb.	Ung. acidi borici	0	10	0	3	—	—
22	lb.	Ung. acidi borici flav. ..	0	10	0	3	—	—
45	lb.	Ung. eucalypti ..	1	8	0	6	—	—
112	lb.	Ung. hydrargyri	4	0	1	1	0	2
59	lb.	Ung. hydrargyri dil. ..	2	3	0	7	—	—
68	lb.	Ung. methyl. salicyl. ..	2	5	0	8	—	—
38	lb.	Ung. zinci c. ol. ricini ..	1	4	0	4½	—	—

## FIFTY YEARS AGO

[From the C. & D., January 16, 1897]

## The P.A.T.A. Defended

A PUBLIC meeting of chemists in Glasgow and district, held under the auspices of the Proprietary Articles Trade Association, took place in the Religious Institution Rooms, New Cannon Street, Glasgow, on Tuesday, January 12. . . . Having explained at considerable length the aims of the P.A.T.A., Mr. Glyn-Jones came to the question of the adverse vote passed by the Glasgow Association, which, he stated, his Association recognised, and their opponents recognised, as a serious matter . . . When the rule was framed it was felt, in order that the Association should succeed, that they should get the support and co-operation of the proprietors, who, as being partly interested in the profits retailers made, were interested in the amount of hostility the retail chemists might show to their preparations.



## TRADE NOTES

**Sole Agency.**—From January 31 supplies of Cefonin products will be obtainable from the sole agents, Rona Laboratories, Ltd., 159 Finchley Road, London, N.W.3.

**Price Error in Advertisement.**—Richard Daniel & Son, Ltd., Derby, point out that the price of their penicillin lozenges, B.P., is 1s. 8d. for fifty, and not as given in a recent advertisement in these pages.

**Display Container.**—A new pictorial display container has been issued for the small size of Ex-lax chocolate laxative. This speciality, which is on the P.A.T.A. and C.F. lists, is manufactured by Ex-lax, Ltd., Slough, Bucks.

**Statement on Toilet Papers.**—In an announcement on another page, St. Andrews Mills, Ltd., Walthamstow, E.17, give reasons why good toilet papers remain in short supply despite the availability of certain classes of raw material.

**Local and Topical Anæsthetics.**—Ward, Blenkinsop & Co., Ltd., 6 Henrietta Place, London, W.1, are suppliers of procaine hydrochloride, B.P., benzocaine, B.P., orthocaine, B.P., normal butyl *p*-amino benzoate and iso-butyl *p*-amino benzoate.

**New Pack.**—An illustration is given on another page of a new display container for twelve new-size bottles of Daisy tablets for headache and nerve pains. The manufacturers are J. E. Ellis, Ltd., Horsforth, Leeds.

**Redesigned Packs.**—Frederick Godfrey (Wholesale), Ltd., Matlock Bath, Derby, have reintroduced their Renair range of hair beauty treatments, including hair tonic, head scurf lotion, pomade, and Renuklor colour restorative, in new artistic packs and with colourful labels.

**Advertising Campaign.**—A nation-wide advertising campaign is in operation by Granto Laboratories, Ltd., 2 Parkshot, Richmond, Surrey, for Plesox stomach treatment. Window-display material to link up with the campaign is available. Prices and terms are given on another page.

**Delays Being Overtaken.**—Southon Laboratories, Ltd., 88 Upper Richmond Road, London, S.W.15, apologise for delays in executing recent orders for Esobactulin capsules. Arrears which the large demand created are now being overtaken and normal deliveries will shortly be resumed.

**Production Increased.**—F. W. Hampshire & Co., Ltd., Sunnysdale, Derby, state

that, while they are still unable fully to meet the demand for Zubes cough mixture every effort is being made to increase production in order to fill, so far as possible, the additional orders which the company is now receiving.

**Five-day Week.**—F. HULSE & Co., Ltd., Woodlesford, Leeds, have been operating five-day working week since January 11. ROCHE PRODUCTS, LTD., Welwyn Garden City, Herts, announce that their Scottish depot at 665 Great Western Road, Glasgow, W.2, will in future be closed on Saturdays.

**In Ample Supply.**—Evans Medical Supplies, Ltd., Liverpool and London, state that Hepatex liver extracts are now in ample supply, and that preparations of greater potency have been provided by the application of the process of proteolysis in the manufacture. A list of Hepatex specialities is given on another page of this issue.

**Distribution in Eire.**—Optrex, Ltd., Wadsworth Road, Perivale, Greenford, Middlesex, announce that from February delivery of the company's products in Eire will be made by A. J. Green & Co., Ltd., 3 Sir John Rogerson's Quay, Dublin, and in Northern Ireland direct from the company's own premises at Wadsworth Road, Perivale, Middlesex, England.

**Without Coupons.**—By an amending Order (S.R. & O., 1946, No. 2233) issued by the Ministry of Food, chocolate wafers manufactured by Stotherts, Ltd., Atherton, nr. Manchester, have been added to the list of chocolate products that are not deemed to be sugar confectionery (and are therefore not subject to surrender of personal points).

**Policy Announcement.**—Lehn & Fin Products, Ltd., which, as announced last week (*C. & D.*, January 11, p. 42) is the new name of Lysol, Ltd., Raynes Park, London, S.W.20, have issued a statement that the directorate, management, policy and financial ownership of the company are unchanged. The alteration in name has been adopted to give a better identification in the home and export markets of the company's ramifications. Products manufactured by the company include Marshall's ("the original") lysol, O-syl, antiseptic, Lygel, Lygene, and Etiquet, and the company acts as distributing agent for its associated company, A. S. Hinds, Ltd., manufacturers of Hinds honey and almond cream and cosmetic specialities.



## COMING EVENTS

### Monday, January 20

King's LYNN BRANCH, NATIONAL PHARMACEUTICAL UNION, Duke's Head Hotel, King's Lynn, at 7 p.m. Annual meeting.

King's LYNN BRANCH, PHARMACEUTICAL SOCIETY, Duke's Head Hotel, King's Lynn, at 7.45 p.m. Annual meeting.

Central KENT BRANCH, NATIONAL PHARMACEUTICAL UNION, Central Library Hall, Beckenham Road, Beckenham, at 7.30 p.m. Mr. R. H. Kemp, M.C. (local organisations officer, N.P.U.) on "The Practical Effect of the National Health Service on Your Business."

ROYAL INSTITUTE OF CHEMISTRY, Royal Institution, Albemarle Street, London, W.1, at 5.30 p.m. Henderson Memorial Lecture. Professor Sir Ian H. Henderson on "The Life and Work of George Erald Henderson."

### Tuesday, January 21

ROYAL SOCIETY OF MEDICINE, NORTH LONDON PHARMACEUTICAL ASSOCIATION, Public Library, High Road, East Finchley, London, N.2, at 7.45 p.m. Mr. Charles Beavan (Parke, Davis & Co.) on "The Middle of Allergy" (illustrated with lantern slides).

ROYAL INSTITUTE, 21 Albemarle Street, London, W.1, at 5.15 p.m. Dr. C. D. Darlington, F.R.S., on "The Physiology of Chromosomes." (First of three lectures; fee for course: 6s.).

ROYAL SOCIETY OF MEDICINE, SOCIETY OF CHEMICAL INDUSTRY, Physical Chemistry Lecture Theatre, Royal College of Science, South Kensington, London, S.W.7, at 2.30 p.m. Dr. F. H. Malpress on "The Use of Hormones in Animal Husbandry."

UNIVERSITY COLLEGE, LONDON, Physiology Lecture Theatre, Gower Street, London, W.C.1, at 5.15 p.m. Dr. F. Bergel on "The Relationship between Pharmacology and Organic Chemistry."

### Wednesday, January 22

NORTH BRITISH BRANCH, PHARMACEUTICAL SOCIETY, 6 York Place, Edinburgh, at 7.30 p.m. Evening meeting. Professor A. D. Peacock, D.Sc., F.R.S.E., on "The Biological Control of Sleeping Sickness" (illustrated with lantern slides).

NORTH STAFFS BRANCH, PHARMACEUTICAL SOCIETY, North Stafford Hotel, Stoke-on-Trent, at 7.30 p.m. Film show presented by Mr. John Martin.

WESTERFIELD BRANCH, NATIONAL PHARMACEUTICAL UNION, Station Hotel, Chesterfield, at 7.30 p.m. Annual meeting. Speaker: Mr. T. Heseltine (a member of the N.P.U. Executive).

WIMBORNE, NORTH CARNARVONSHIRE AND COLWYN BAY BRANCH, PHARMACEUTICAL SOCIETY, Castle Hotel, Conway, at 3.15 p.m. Branch meeting.

### Thursday, January 23

JAMES VALLEY BRANCH, PHARMACEUTICAL SOCIETY, Kingston Hotel, Kingston-on-Thames, at 7.45 p.m. Miss A. Lothian, Ph.C. (librarian, Pharmaceutical Society) on "American Journey."

LIVERPOOL SECTION, CHEMICAL SOCIETY, Chemistry Lecture Theatre, Liverpool University, at 5 p.m. Professor H. A. Krebs, M.A., M.D., on "Metabolic Cycles."

SOUTH WALES SECTION, CHEMICAL SOCIETY, Chemistry Lecture Theatre, University College, Swansea, at 6 p.m. Mr. E. J. Bowen, M.A., F.R.S., on "The Absorption of Light."

ROYAL INSTITUTE, 21 Albemarle Street, London, W.1, at 5.15 p.m. Dr. H. W. Melville, F.R.S., on "The Chemistry of High Polymers." (First of three lectures; fee for course: 6s.).

CHELSEA POLYTECHNIC, Department of Pharmacy, Manresa Road, London, S.W.3, at 7.30 p.m. Mr. H. Woodhall on "Surgical Instruments" (third of a series of four lectures).

### Friday, January 24

ABERDEEN SECTION, CHEMICAL SOCIETY, Chemistry Department, Marischal College, Aberdeen, at 7.30 p.m. Dr. D. P. Cuthbertson on "Recent Advances in Our Knowledge of the Metabolism of Proteins and Amino Acids."

CORK GUILD OF PHARMACY is holding its annual dinner at the Imperial Hotel, Cork, on January 25. Tickets (9s. 6d. each) may be obtained from Mr. W. A. Fielding, M.P.S.I., 4 Fernhurst View, Magazine Road, Cork (Telephone Bishopstown 24).

## Proprietary Articles Trade Association

**Additions to Protected List.**—*Hallex, Ltd.*, Zote sponges, 31s. 3d. doz., tax 10s. 5d. doz., inclusive retail price 4s. 9d., packed six in display outer; standard assortment: red, green and natural.

*Luft-Tangee (London), Ltd.* (Agents: *J. C. Gambles & Co., Ltd.*), Tangee face-powder, 36s. doz., tax 36s. doz., i.r.p. 7s. 6d.; 8s. 4d. doz., tax 8s. 4d. doz., i.r.p. 1s. 9d.; cake make-up, 36s. doz., tax 36s. doz., i.r.p. 7s. 6d.; 20s. doz., tax 20s. doz., i.r.p. 4s. 3d.

*Vermex Chemical Co., Ltd.*, Zodas head and nerve tablets, 9s. 6d. doz., tax 1s. 7d. doz., i.r.p. 1s. 3d. Quinamon catarrh and cold tablets, 12s. doz., tax 2s. doz., i.r.p. 1s. 6d. Lipalene (for cold sores on lips and face) 9s. 6d. doz., tax 1s. 7d. doz., i.r.p. 1s. 3d. Rapalex laxative tablets, 6s. doz., tax 1s. doz., i.r.p. 9d. Soltan sunburn cream, 12s. doz., tax 4s. doz., i.r.p. 1s. 9d. (Prices do not apply to Eire.)

*Mejenel, Ltd.*, Mejenel ready-made poultice, No. 2, 23s. 4d. doz., tax 3s. 11d. doz., i.r.p. 3s. 3d.; No. 3, 46s. doz., tax 7s. 8d. doz., i.r.p. 6s. 5d.; No. 4, 90s. doz., tax 15s. doz., i.r.p. 12s. 6d.; display parcels containing 3½ doz. No. 2 size and one doz. No. 3 size, i.r.p. £6 15s.

**Alterations.**—*Thos. Christy & Co., Ltd.*, Increased prices January 1: Zepto tartar remover, 7s. 3d. doz., tax 2s. 5d. doz., i.r.p. 1s. 1½d.

*Pond's Extract Co., Ltd.*, increased prices, January 1: Pond's face-powder, 6s. doz., tax 6s. doz., i.r.p. 1s. 2d.; vanishing and cold creams, 6s. doz., tax 6s. doz., i.r.p. 1s. 2d.; 11s. 3d. doz., tax 11s. 3d. doz., i.r.p. 2s. 2½d.; 13s. 6d. doz., tax 13s. 6d. doz., i.r.p. 2s. 7½d.; 27s. doz., tax 27s. doz., i.r.p. 5s. 3d.; 54s. doz., tax 54s. doz., i.r.p. 10s. 6d.

**Deletions.**—Coty toilet preparations.

# PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

## January Meeting of Council

A MEETING of the Council of the Pharmaceutical Society of Great Britain was held in London on January 8, the president (Mr. G. R. Knox Mawer) in the chair. New Year greetings to the Society and the Council were reported received from the Pharmaceutical Societies of Ireland, Northern Ireland, Quebec, Nova Scotia, Victoria, Queensland, New South Wales, Western Australia, South Africa, India, Belgium, France, Hungary, Norway, Sweden, Switzerland and the United States, and from the South African Pharmacy Board and Havana Chemical Society.

### Day Tickets for Conference

A letter was received from the local secretary of the British Pharmaceutical Conference, Torquay, September 15-19, announcing that, following representations from the Council, it had been decided to issue single-day tickets for the Conference, available on any one day, at a charge of £2 2s. each.

### Visits by Society's Representatives

THE PRESIDENT reported that he had been invited, together with the vice-president and secretary, to visit the Pharmaceutical Society of Northern Ireland in the second week of March. He was looking forward with interest to seeing, among other things, how the examinations were conducted and how students were trained in that country. THE SECRETARY reported that the International Pharmaceutical Federation would hold at Zurich, Switzerland, from August 26 to 28, the first meeting of that body to take place since the war. It was decided that the Society's representatives should be the president, vice-president, Messrs. C. W. Maplethorpe, A. R. Melhuish, L. Moreton Parry, H. C. Shaw, W. J. Tristram and one to be appointed later.

### Pharmacists' Posts at Willesden

MR. J. F. MCNEAL asked whether two vacancies advertised in the "Pharmaceutical Journal" by the Corporation of Willesden had any thing to do with recent difficulties in that borough. MR. W. DEACON (chairman, Publications Committee) replied that the advertisement fulfilled all the conditions normally imposed, and inquiries had showed that the position was completely satisfactory. The two vacancies in question had occurred in the ordinary way, and no conditions with regard to trade-union mem-

bership were envisaged in dealing with the new candidates for these posts.

A Privy Council Order approving amendments to three of the Society's by-laws (concerning co-option to the Council, reduced fees for aged pharmacists, and meetings auditors) was received.

### Petrie Trust Bursary

It was reported that the Education Committee had further considered the arrangements for the award of the Petrie Trust Bursary, and, in the light of the request of the bursar for 1946, had agreed that his award should take the form of books and/or apparatus. The Committee also agreed to consider, at a subsequent meeting, what alteration, if any, should be made in the future conditions of award. An application from Hull Technical College for approval of a course of study for the examination for the Diploma in Biological chemical Analysis had been received by the Committee and approval granted. The report was adopted.

### Grants from Benevolent Fund

MR. J. F. MCNEAL, who presented the report of the Benevolent Fund and War Aid Committee, said that the total received from the War Aid Fund to December 31, 1946 was £40,498; expenditure was £13,760. The fund had spent £357 more on grants than in the corresponding quarter of 1945, but the excess was offset by increased subscriptions. Of thirty-seven applications received, thirty-two (seven men and twenty-five women) were granted at a cost of £1,664; three cases were deferred. The figures for the last quarter of 1945 were: Grants, twenty-six, totalling £1,307; applications, three deferred and one rejected. Receipts in the December quarter were £1946, £2,550, including subscription £748; 1945, £1,951, including subscriptions, £482. The Committee recommended that two grants of £104 for twelve months and one grant of £104 for six months, should be made to members from the Fund and the two grants of £208 for twelve months and two grants of £104 for twelve months and six months respectively should be made to widows of members. In reply to MR. C. DAVIS, who asked for information on cases in which larger grants than usual had been made, THE CHAIRMAN said that these were particularly hard and deserving cases, and



the grants were made after thorough investigation and consideration of all the circumstances. The Committee reported receipt of a special contribution of £5.5s. to the War Aid Fund from Arthur H. Cox & Co., Ltd., Brighton. In the December quarter of 1946, the War Aid Fund received disbursements of £118, against £1,602 at the end of 1945, and made grants to seven out of nine applicants, to a total of £1,450, the corresponding figures for December 1945 being seven applicants and £286. The recommendations were approved. It was reported that on occasions Birdsgrove House was not fully occupied by people who had the necessary medical certificates. The Committee, therefore, agreed to ask the Birdsgrove House subcommittee to consider arrangements for offering the facilities of the house to suitable beneficiaries of the Benevolent Fund when vacancies were available. It was further reported that legacies of £500 had been received from the estates of the late Mr. Angus Mackay and the late Mr. E. Saul. The report was adopted.

#### Registration of Foreign Pharmacists

The Education Committee reported that consideration had been given to the future of the fifty-two foreign pharmacists temporarily registered by the Society during the war, the temporary registration being due to expire at the end of 1947. The question had also been raised of providing facilities for the temporary registration of about seventy Polish pharmacists in the Polish Resettlement Corps, most of whom had been in the Polish Forces during the war. The Society's views in these matters had been sought by the Ministry of Health, and similar action was being taken in respect of doctors. The Committee's report, presented by MR. A. A. MELDRUM, recommended that the Council should approve a resolution to be sent stating (1) that the Society should not object to extending facilities to the Polish pharmacists in the Corps to enable them to qualify for temporary registration during 1947, and that the Council would be prepared to discuss arrangements for providing the necessary training; (2) that the position of the foreign pharmacists temporarily registered during the war should be established finally: if they were to remain in this country, they should be permanently registered instead of being allowed to lapse into a semi-qualified status; and (3) that, as this was part of the general question of recognition of foreign pharmacists, the position of the temporarily registered pharmacists might be provided

for by an amendment of the Poisons and Pharmacy Act, 1908, giving general power to the Council to make by-laws for the registration of pharmacists having approved foreign qualifications.

#### Apprenticeships and Concessions

Applications from two hospitals in respect of individual pupils were approved, and a third application was deferred. It was reported that approval of apprenticeships in thirty-four pharmacies had been granted. Three applications for concessions under Regulation 3 had been granted. Since the previous meeting there had been four concessions to ex-Service candidates in respect of the Intermediate and three in respect of the Chemist and Druggist Qualifying examinations.

#### Premises at Clapham Road

The chairman of the Establishment Committee (MR. W. S. HOWELLS) reported that an agreement varying the terms under which the Society could terminate the lease of 361 Clapham Road, London, S.W.4, had been executed by all parties. In answer to MR. F. G. WELLS, who pointed out that the Society was still paying the rent of the premises and asked whether their future use had been decided upon, MR. HOWELLS replied that the position at one time was that the Society had to decide by March 1947 whether to continue with the lease. Application was then made to have that term extended by one year and the application was granted. The Committee had it in mind that the University might possibly want to use the premises in one way or another in connexion with the College. There was now a further twelve months in which to consider to what use the premises should ultimately be put. MR. MELDRUM said that the matter had also been considered by the Education Committee. In view of the impending changes in the educational set-up, and the possible transfer of the College and other buildings to the new College Council, it was felt desirable to secure an extension of twelve months to allow of a further opportunity to examine the situation. It might be that the University would itself want to take over the premises for the purposes of a hostel. MR. WELLS said it seemed to him that it might have been better to have reached some decision before the Society extended the lease.

#### Registration

THE REGISTRAR reported that, since the previous meeting, fifty-eight persons had



been registered as Apprentices or Students, making a total of 571 during 1946. Applications for registration under the reciprocity regulations, received from two pharmacists formerly resident in New Zealand and Northern Ireland respectively, were approved. The names of eight persons removed from the Registers in previous years, and of one removed in the current year, were restored. Authority was given for the issue of diplomas to two Pharmaceutical Chemists who had passed the examination.

#### Law Committee

The report of the Law Committee, presented by THE CHAIRMAN (Mr. C. Davis), showed that the Society's inspectors and agents had visited the premises of 1,165 authorised sellers, ninety-one listed sellers, and 429 drug-store proprietors and similar traders. Fourteen cases of alleged infringe-

ments of the Pharmacy Acts were considered and appropriate action taken. It was reported that the plaintiffs in the "test" action, relating to a substance recommended as a medicine, had appealed to the Court of Appeal from the decisions given in the Chancery Court concerning the labels on which a statement of dosage was used, but that no appeal had been lodged in respect of the decision on the interpretation of "proprietary designation" or the label on which the word "linctus" was used.

#### Finance Committee

The Council approved payments by the secretary amounting to £3,032 and by the treasurer amounting to £19,766, and authorised the Trustees of the Pharmaceutical Trust to reimburse the Society a sum of £1,000, part of College salary paid for December 1946.

## RESEARCH ON THE COMMON COLD

The Harvard Hospital, Salisbury, where the common cold is being studied with the co-operation of human volunteers, was visited recently by a member of the editorial staff of "The Chemist and Druggist".

THE common cold research unit housed at the Harvard Hospital, Salisbury, and sponsored by the Ministry of Health and the Medical Research Council, is undertaking an investigation into the common cold, described as the most comprehensive yet attempted in Britain. At the moment it is probably the only unit of its type in the world, and its immediate aims are to find a convenient laboratory animal for common cold experimentation, and a convenient means of growing the virus in the laboratory (e.g. on a fertile hen's egg).

#### Human Volunteers

In the past, investigation of the common cold has been held up because it has not been possible to infect any animal with the cold virus except the chimpanzee, which, being rare, expensive and difficult to keep, is practically useless for experimental purposes. The unit relies, therefore, on human volunteers, many of them students, who undertake voluntarily an isolation discipline at the hospital for ten days, living in pairs of the same sex (except for married couples) in comfortable huddled "flats."

The first two or three days of the subjects' stay at the hospital are for the purpose of quarantine to eliminate the effect of a cold incipient on arrival. Some

of the subjects then receive a nasal instillation of a virus-containing solution under test, while others, who act as controls, receive instillations of saline. Development of symptoms of the common cold indicates that the virus under test was active, and this way the volunteers are able to give the research workers the information they require. Throughout the test the subjects are known only by letters to the medical observer, who himself is unaware of what solution has been given, thus obviating bias in the description of symptoms. A large measure of freedom is allowed to the subjects during the test, and permissible activities include country walks and games. The only stringent rule is that no pair shall come within 30 ft. of any other person. Up to the present only one-third of the subjects have developed colds, and the infection have usually been mild.

There is accommodation in the hospital for twenty-four volunteers every fourteen days. During the university vacation time, the unit receives as many student volunteers as required, but term-time provides difficulties. Certain industrial concerns have already co-operated in releasing volunteers among their employees during university term time, and a wider appeal is being made in this field. Normal healthy people between the ages of eighteen

forty are required, and volunteers are asked to take part in a second test not less than six months after the first. In addition a free railway warrant and free board allowance of 3s. daily is made to the volunteers.



Viruses containing common-cold virus packed in solid carbon dioxide being placed in a refrigerator.

A loose-fitting hood covering the head and body, and provided with a transparent plastic top, is worn by maintenance staff for aseptic purposes, if they are required to enter a flat during the period of a test. The hood is similar to that used by the American Forces when making a dash through poison-gas spray in training.

#### Isolation of the Virus

The common cold virus is collected from nasal washings of patients suffering from a common cold. The patient's head is held back and saline run into the nasal cavity; the head is then moved down and the washings collected. All bacteria are removed from this by filtration, leaving the filter-passing common-cold virus in the solution. Samples of the virus (prepared at the National Institute for Medical Research, Hampstead) are stored and transported in carbon dioxide snow at  $-76^{\circ}\text{C}.$ , at which temperature the activity of the virus is preserved for two or three days. The virus is thawed out before use.

It is not yet known whether common-cold infection may be sustained normally by breathing the virus floating in infected air, or whether a "direct hit" from a sneeze is necessary.

#### Search for 'Atmospheric Disinfectant

Working alongside the common cold research unit is the Medical Research Council's Hygiene Unit, which is engaged on the study of the physical aspects of aerial contamination and disinfection. The unit is searching for (amongst other things) an "ideal" air disinfectant which is toxic to bacteria, harmless to animals, and which evaporates spontaneously from large sheets of paper. The most suitable substance used so far by the unit is  $\alpha$ -hydroxy  $\alpha$ -methyl butyric acid, a white, almost odourless solid. Experiments have also been made with ultra-violet light, which is stated to be too expensive, and with triethylene glycol (already tried in the U.S.A.).

Apparatus used by the unit includes a machine for estimating the number of bacteria in air; it consists essentially of a small closed box containing a nutrient agar plate placed just below a tube in the form of a slit, connecting with the outside air. On evacuating the box, air is drawn at a high velocity through the slit, and spores and bacteria are thrown out on to the surface of the agar, growing into visible colonies on incubation. The agar plate is caused to rotate at a controlled rate, and as the slit forms a radius, the spores are spread over the entire plate.

An atmosphere sampling room has been designed and built, to enable samples of air under different conditions to be collected aseptically for determining bacterial counts. For collecting the sample, an apparatus resembling an aseptic dispensary screen has been built into one of the walls. The effect of sneezing on the bacterial count of the air in a room, amongst other effects, may be studied, and an apparatus for making an "artificial sneeze" has been devised.

The hospital building is a gift to the British nation, vested in the Ministry of Health, from the American Red Cross, Harvard University, and other American organisations.

#### Proofing of Textiles Specification.

Specifications for processes of proofing textiles against rot and mildew, and methods of testing proofed materials are laid out in a pamphlet D.T.D. 921 issued recently by the Ministry of Supply.



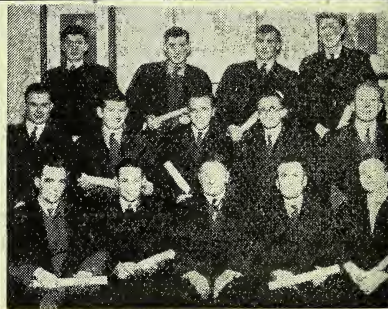
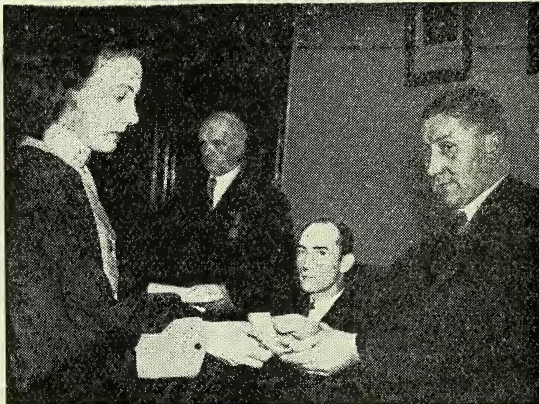


## IRISH NEWS IN PICTURES

**DUBLIN DANCE** (*above*): Guests at a dance in aid of the Benevolent Fund of the Pharmaceutical Society of Ireland, held recently in Dublin.

**PRESENTATION OF MEDAL** (*right*): Miss J. F. O'Gorman receiving the Silver Medal of the Pharmaceutical Society of Ireland from the President (Mr. J. K. Whelehan).

**CONFERRING CEREMONY** (*below*): Successful candidates at the ceremonial presentation of new licences (see C. & D., January 11, p. 58). For the first time in the history of the Society, the presentation of licences was made the occasion of a formal ceremony.





## P.A.T.A. GOLDEN JUBILEE DINNER

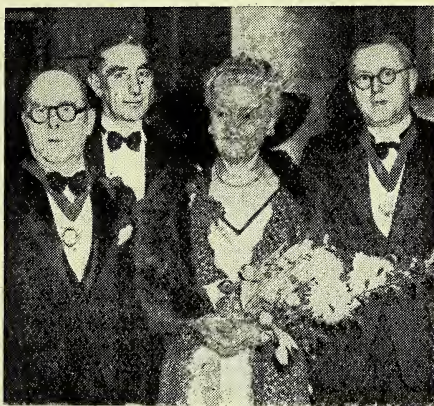
representative gathering of leading personalities in the Drug Trade attended the Golden Jubilee Dinner of the Proprietary Articles Trade Association, held in London on Thursday, January 9.

OVER three hundred members and their guests attended the Golden Jubilee dinner of the Proprietary Articles Trade Association held at the Dorchester Hotel, London, W., on Thursday, January 9. Mr. Ernest Skues (president, 1946), in the chair, was supported by Mr. G. Middleton (president), members of the Council and members of the Association from England, Scotland and Wales, and the secretary (Mr. H. E. Chapman) and members of the P.A.T.A. staff. The guests included Miss M. Glyn-Jones, Dr. Glyn-Jones, Sir Edward Tindal Atkinson, Mr. A. T. Lennox-Boyd, M.P., Mr. Hugh N. Linstead, M.P., Mr. G. R. Knox-Mawer, Mrs. J. K. Irvine, Mr. J. C. Young, Mr. H. Steinmann, Mr. G. A. Mallinson, Mr. E. W. Godding, Mr. H. Kemp, Mr. V. L. Ferguson, Mr. C. W. Robinson, Mr. A. S. Gwatkin, Mr. W. S. Culbert, Mr. J. Espley, Mr. J. Hamilton-Jones, Mr. Mortimer, Mr. H. Noble, Mr. J. Paterman, Mr. E. J. Andrews, Mr. J. S. Walmsley, Mr. C. A. Williams and Mr. W. J. Williams.

The Loyal Toast having been honoured, Mr. HUGH N. Linstead, O.B.E., M.P., in proposing the toast of "The Proprietary Articles Trade Association" said: I have a book in which appears this quotation: "Your young men shall see visions and your old men shall dream dreams," and I want you tonight to cast your minds back to a chemist in the East End of London who some fifty years ago saw a vision. This chemist had the energy and enthusiasm to make his vision come true. Tonight I am very proud to have the opportunity of paying my tribute with you to the memory of William Samuel Glyn-Jones. You have been given a book in which you will find the background to the foundation of the P.A.T.A. together with an account of the appalling conditions under which the practice of retail pharmacy was carried on at the end of Queen Victoria's reign. Retailers were really carrying half their businesses at a loss. Manufacturers were faced with non-co-operation and substitution at the hands of retailers who simply had to make a profit somehow, and wholesalers were trading on perilously narrow margins. It was against that background that the P.A.T.A. was set up. When

we look to the future I think we can see a wide field of continual usefulness opening up for the P.A.T.A. You will find that people who are now interested in the black market will begin to find themselves more and more interested in price cutting activities. It will not be long before the need for the Association will be as keenly felt as it has been in the past.

I have tonight the privilege of coupling with the Association the name of its chairman and the name of its secretary. It is of particular pleasure to those of us who are members of the Pharmaceutical Society to

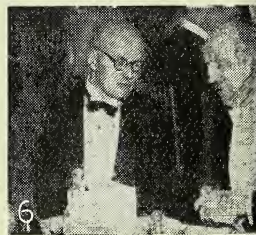
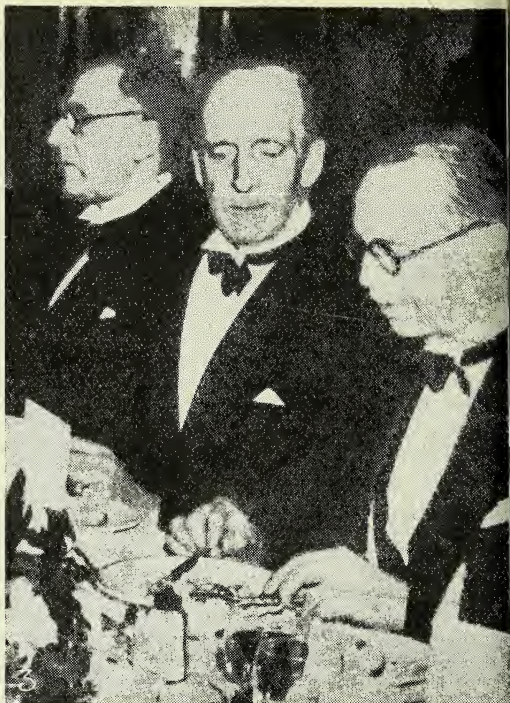
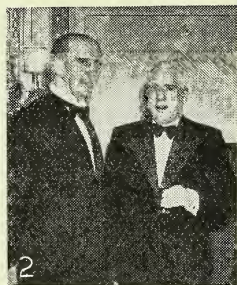


Mr. S. Hague (a vice-president of the P.A.T.A.) and Mrs. Hague with Mr. G. R. Knox-Mawer (president of the Pharmaceutical Society)

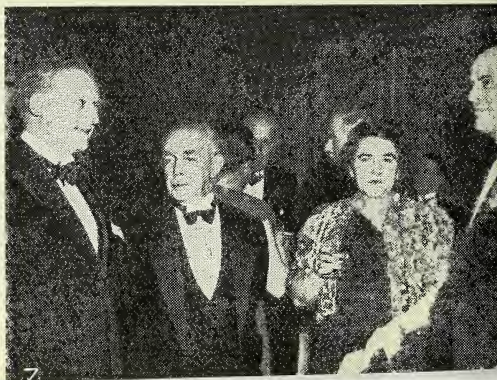
know that we have presiding over us a member of that Society. As for my friend Mr. Chapman, I know what an admirable secretary the P.A.T.A. is fortunate enough to have, and I am sure a great deal of the success that attends it is due to his wise counsel and guidance. I have the greatest pleasure now in asking you to join with me in drinking to the success of the Association.

MR. ERNEST SKUES thanked Mr. Linstead for the very kind words he had used in congratulating the P.A.T.A. on this its fiftieth anniversary, and for the good wishes he offered for the future. Continuing, Mr. Skues said: There was a time when, prior

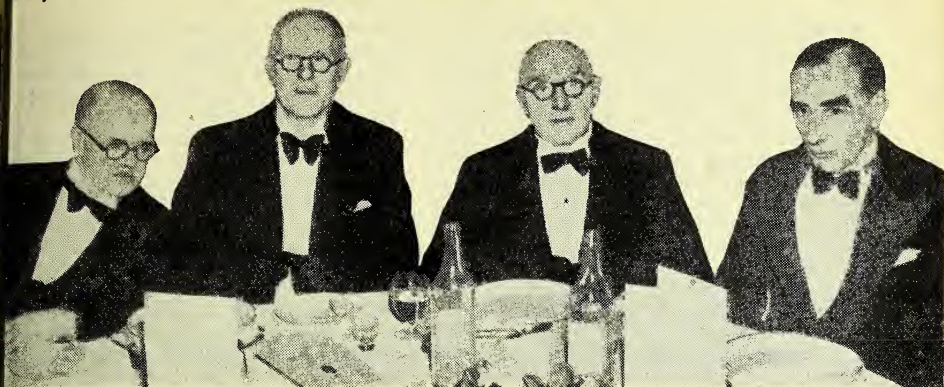




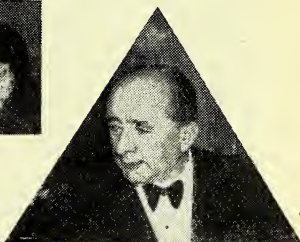
1. One of the diners
2. Sir E. Atkinson with Mr. R. Peck
3. At the head table: Mr. H. G. Middleton (president of the P.A.T.A., 1947), Sir Edward Hale Tindal Atkinson, K.C.B., C.B.E. (Central Price Regulation Committee); and Mr. E. Skues (1946 president, P.A.T.A.), chairman
4. Mr. V. Neathercoat with Mr. H. F. Stapley
5. A waiter takes instructions from Messrs. N. E. Forster and Hugh N. Linstead, O.B.E., M.P.
6. Mr. W. W. Knott with Mr. F. Gratwick
7. Mr. T. Marns, Mr. John Lawson, Mrs. Marns and Mr. F. R. Moore.
8. Lieutenant-Colonel J. Rowland James among friends from Wales
9. A round-table conference opens out to "sit" for the photographer



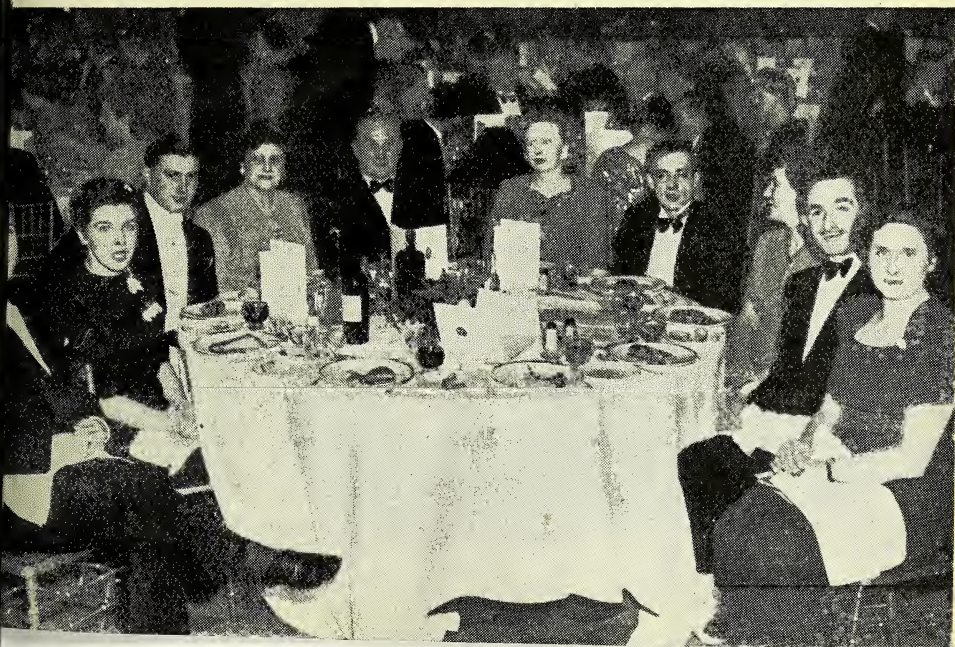




GUESTS AT THE GOLDEN JUBILEE DINNER



OF THE PROPRIETARY ARTICLES TRADE ASSOCIATION





to 1896, the P.A.T.A. was no more than an idea in the mind of one man. He was not content to accept the disastrous end to which the drug trade was drifting, and he set about devising a sound workable plan based on co-operation in all sections of the trade in order to put the trade on a reasonably fair economic footing. You can read something of the difficulties he had to face in the book which has been handed to you called "The Story of A Crusade," and I am sure all the members of the Association, who are here tonight and others will join me in paying tribute to the memory of the late Sir William Glyn-Jones.

The Association has, I maintain, every reason to be proud of its record during the recent war. It has been in constant touch and in friendly co-operation with the Central Price Regulation Committee, and its prices have been accepted as fair and reasonable. It seems to be the opinion held in some influential quarters that to make a profit is immoral, particularly if the profit is made by private traders; but out of profits wages are paid, and out of wages, as well as out of profits, income tax is paid. It can be claimed that any industry or any business that so conducts its affairs as to be unable to pay fair wages is doing a disservice to the community. It would certainly be churlish of me if I failed to say a word in praise of the members of the staff at 43 Gordon Square. They have been a good team which have batted on a sticky wicket knocking up a score of fifty not out! We have with us Mr. Chapman, who is the captain of the team. He has a legal mind, a persuasive tongue, a disarming smile and unflinching tact, which assets combine to make him an ideal secretary. Mr. Payn is in charge of the tracing department which runs very efficiently. Mr. Stead, who claims the longest period of service, keeps the records of all price changes. I must also mention Miss Hobbs, Miss Worraker and Miss Pryke, whose efficiency in their respective departments is recognised and appreciated by our members.

The Association was founded in a spirit of co-operation, and so long as that co-operation prevails so will the Association continue to flourish. Thank you all once again for the generous response to this toast, and thank you, Mr. Linstead, for the terms in which you proposed it.

MR. H. E. CHAPMAN, in the course of his response, said: I should like to express to the Council and to you, Mr. Chairman, my thanks and appreciation for the very nice gesture you made in arranging for my

name to be coupled with yours in response to this toast. This is the fifth anniversary of the foundation of the Association, and it happens to be my twenty-fifth or silver jubilee celebration of service with the P.A.T.A. The broad aspects of P.A.T.A. policy, history and achievement have been dealt with, and it is for me to speak briefly on the administrative side of the Association's work. Sir William Glyn-Jones created, built up and put in running order an organisation which is to our lot afterwards to manage, and did it so well that we had merely the oil of lubricating the machine to keep running. The duty of a trade association's secretary, as I see it, is fairly simple. It is to serve as far as he can without undue officiousness those from whom he derives his appointment. That is the purpose and objective of all of us who work for the staff of the P.A.T.A. I should now like to be permitted to refer to the happy relations that have existed during my service with the Association between the Council, the individual presidents and secretaries. I have served under twenty Presidents and I have found them, with exception, kindly, considerate and tolerant. Reference has been made to my colleagues on the staff and I would like to endorse all that was said. We have a very large staff in the P.A.T.A. Some of us have been together for many years, some have had less experience, but we try to work together to the best advantage of the Association. In endorsing the tribute paid to members of the staff, I would like to say on this occasion that we have thought of those who formerly served the Association well but who have now retired. I should like them all to know that they are not forgotten. I thank you, Mr. Linstead, for the very kind things you have said about the Association and myself, you, ladies and gentlemen, for the warm welcome you have received them.

MR. H. G. MIDDLETON, in proposing the toast of "The Guests" said: I have been allotted the very pleasing duty of proposing the toast to the guests. To tell all I would like to say how delighted we are to welcome them here tonight, and how hope they are all enjoying themselves. Present tonight are many notabilities connected with the trade with which the P.A.T.A. is concerned, but it seems appropriate that the list should be headed by the institution which in some way or other affects most of us. I refer, of course, to the Pharmaceutical Society of Great Britain.

Pharmaceutical Society is represented this evening by its president, Mr. R. Knox Mawer. The Society is also represented by its first lady vice-president, J. K. Irvine, and its secretary and treasurer, Mr. H. N. Linstead, M.P. May I offer our respectful congratulations to Mr. Irvine, and to the Society for having elected her to that important and honourable position. Another very important institution which should be mentioned next is the National Pharmaceutical Union, and we are very pleased to welcome Mr. H. Newman, its chairman, Mr. G. A. Mallin, the Secretary, whose name must surely be a household one among pharmacists, Mr. H. Noble, the deputy secretary. The Chemists' Federation is represented by its chairman, Mr. E. W. Godding, its secretary, Mr. R. H. Kemp. We are also very pleased to welcome Mr. V. L. Fergusson, chairman of the Wholesale Drug Trade Association, and Mr. C. W. Robinson, its secretary. We extend a hand of welcome to Mr. W. H. Culbert, the vice-president of the British Pharmaceutical Federation. The Proprietary Association of Great Britain is represented by its chairman, Mr. J. Gwatkin, and its secretary, Mr. J. S. Walmsley. We offer sincere and cordial greetings to a member of the Glyn-Jones family, present or absent, and hope that those who are present will in the years to come have many happy recollections of this evening. We have with us tonight two distinguished guests the first of whom is Sir Edward Tindal Atkinson, a distinguished

lawyer and member of the judiciary, the chairman of the Central Price Regulation Committee with which the P.A.T.A. has been in such close contact. The other distinguished guest whose name is coupled with this toast is Mr. A. T. Lennox-Boyd, M.P.

SIR EDWARD H. TINDAL ATKINSON, K.C.B., C.B.E., in reply said: May I re-echo the remarks of your chairman in emphasising the extremely friendly relations which have existed between your association and the Central Price Regulation Committee. Before coming here I began to wonder as a matter of pure logic whether price maintenance and price control really march together, but on consulting a member of my staff I came to the conclusion that the existence of price maintenance has, in these curious times, kept prices down, and has avoided—this I think is very important—a black market in goods which are covered by your Protected List.

MR. A. T. LENNOX-BOYD, M.P., seconding the response said: It gives me great pleasure to pay my tribute to your association on its fiftieth anniversary. I have read with interest the work you have accomplished, and over a period of half a century arrived at what appears to be the final solution of the problem of price cutting—a solution that has been copied by many other industries. At the same time you have greatly contributed to the solution of the problem of securing a living return for all three sections of the community, the wholesaler, the retailer and the manufacturer.

## MEDICAL AND DENTAL N.H.I. TERMS

The Council of the Incorporated Dental Society, at a meeting in London on January 10, 1946, approved a settlement made between the Ministers of Health and National Insurance and the Joint Advisory Dental Council in the dispute over the scale of National Health Insurance fees (see *C. & D.* 1946, 729). Members of the Society have been recommended to accept dental letters from insured persons under the terms of settlement.

The Joint Advisory Dental Council represents the British Dental Association, the Incorporated Dental Society and the Public Dental Service Association. The British Dental Association has recommended its members to refuse dental letters while members of the Public Dental Services Association have been recommended to accept them (see *C. & D.*, January 4, p. 1).

Acceptance of a dental letter is an individual contract between the dentist and the Ministries.

It is announced that agreement has been reached between the Minister of Health and the Insurance Acts Committee of the British Medical Association on the application of the Spens Report to the current capitation fee under the existing National Health Insurance scheme. The Minister has proposed that the present capitation fee of 12s. 6d. should be increased to 15s. 6d., with effect from January 1, 1946, and that there should be, in addition, an increase in the special payments made to rural practitioners. Remuneration under the new National Health Service will be a matter for negotiation with the medical profession, but will be on a higher level than the newly agreed N.H.I. remuneration.



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CXLVII JANUARY 18, 1947 NO. 3493

## "Impending Changes"

ANTALISINGLY, as though presenting a face of the seven veils, the Council of the Pharmaceutical Society has whetted members' curiosity by lifting a corner of the curtain that has concealed its plans for educational changes (see *C. & D.*, January 11, 1945). It is still not possible to do more than conjecture what are the "impending changes in the educational set-up" to which Mr. Meldrum referred in presenting the minutes of the Educational Committee at the January meeting of the Council (see p. 76). What is revealed is that the College of the Society is possibly to be transferred, with "other buildings" to "a new College Council." It is also considered a possibility that "the University would itself want to take over, as a hostel, the premises" [i.e., the building in Clapham Road acquired by the Council from the now defunct London College of Pharmacy at the time of its demise]. If the hostel is thought likely to be wanted by the University, and the College to be taken over by a College Council, it needs but little deduction to conclude that the one is probably synonymous with the other, or closely identified with it.

Should the Society's College be handed over to London University, members will want to know on what terms. In what light is the transfer regarded by the Council? As the disposal of an unwanted encumbrance, to be followed by a sigh of relief? "It is fine," said Mr. Heseltine at Huddersfield recently (*C. & D.*, January 11, p. 35), that the Society sheds its responsibility for

the College when the Government seems eager to pay the money," and it is not impossible that the view is shared by other members of the Council. But it is open to doubt whether the Government (or the University, as the case may be) will pay as purchaser the glittering price Mr. Heseltine seems to envisage for what the vendor appears so anxious to dispose of. May the eager seller not rather find it necessary to induce somebody to remove the unwanted commodity?

An alternative attitude would be to regard the College, even though conducted recently at a financial loss, as an indispensable factor in the control by the Society's Council of its own training and qualification. To dispose of it in such a frame of mind would not necessarily be wrong, but it would carry with it the implication of a higher purchase price, either in cash or in effective control.

Should it transpire, as there is some reason to fear, that the College is being sold "for a song" at the same time as its control passes to a College Council on which there is only minority representation of the Society, those who have put through the transaction in haste and in secret will need to think out some powerful arguments if their action is to be ratified by the pharmaceutical electorate. Our advice is that full disclosure should be made forthwith, and members allowed to form their own judgment on the proposals.

## A New Chemical Notation

THE description of a new system of notation for organic chemicals given by Dr. G. M. Dyson in London, recently, at the first joint meeting of the Chemical Society, the Royal Institute of Chemistry, and the Bureau of Abstracts, marks yet another milestone in the progress of organic chemistry (see page 90). By the use of a few simple rules described, any organic compound may be coded in a form which is simple and unambiguous, and which saves (in 90 per cent. of the 3,970 compounds tested) more than half of the total number of symbols used in the former chemical names. Whilst the system's use in indexing compounds, and in eliminating confusion over multiplicity of names for the same substance,



will be obvious, one of its most fascinating and labour-saving applications is the ease with which it can be applied for use in a punched-card sorting machine. Such a machine will, for example, sort out and produce the cards of all compounds possessing specified features, almost at the touch of a button. The system referred to has been developed to produce another machine which, with equal ease, can produce a typescript ready for photo-lithographic reproduction, thus eliminating both typesetting and the checking of proofs by abstractors, authors and others. Under the direction of Dr. Dyson, a "Lexicon of Organic Chemistry," based on his system, is being compiled and this Herculean task is expected to be completed by 1954. The new notation is not dependent on words, it is, as Dr. Dyson points out, truly international, and it is hoped that, after 1954, "international co-operative effort" will be able to maintain the completed "Lexicon" up to date within a few months.

The new notation does not remove the need for students and others to refer to structural formulæ, neither does it produce formula codes which are as easily adapted to speech as to writing, but these are small points compared with the immense practical value of Dr. Dyson's monumental contribution as a whole.

### Move to Reduce a "Plethora"

"THE present bewildering plethora of organisations springing up in pharmacy" is referred to in a circular issued recently by the committee of the London Branch of the Guild of Public Pharmacists to its members (*C. & D.*, January 11, p. 34). The regrettable condition so picturesquely described in the circular has frequently been the subject of comment in these columns. The committee recommends an affiliation of the Guild to the Association of Scientific Workers, in order to secure the advantages both of a full-time secretariat and a voice in negotiations with the Ministry of Health on conditions of work under the National Health Service, while retaining the professional integrity of the Guild as an organisation of pharmacists.

There is room, we believe, for a similar constructive move among employees in retail pharmacy, where at least four or-

ganisations are soliciting for the privilege negotiating in matters affecting the interests of pharmacists in that field. The Association of Pharmaceutical Employees, formerly a section of the shop assistants' union, now merged, with its parent and the former N.U.D.A.W., into the Union of Shop Distributive and Allied Workers. In the association with such a large established union should have many advantages: the larger Union can offer many years of experience in organising shop workers.

In practice, however, the advantage appears many onlookers to have been cancelled out by uphill work in convincing officials of the parent union that pharmacists have special interests and claims not in any way connected with social snobbery. Aware of this disability, certain less T.U.C.-minded employees founded, in 1943, a new "non-political" National Pharmaceutical Employees' Union. To this were admitted qualified pharmacists as members and unqualified assistants as associates. Rules were drawn up, a permanent office was established, and registration as a trade union was effected, but the new body was unable to secure representation on the National Joint Industrial Council for Retail Pharmacy. Next, so recently as January 1946, a still less politico-economic and more consciously professional body, the National Organisation of Employee Pharmacists, was formally constituted. Recently this body showed activity in issuing a statement on the professional problems of employees in retail business, but at the same time renounced participation in negotiations over working conditions by recommending its adherents to join "a trade union of their choice." The most recent body of this kind is, of course, the Registered Pharmacists' Union, created in 1946, largely as a result of the efforts of Dr. Richard Clitherow, M.P., to meet in advance the anticipated needs of pharmacists under the National Health Service scheme. The R.P.U. was put forward as a craft union and, as such, open to employers and employees alike, "united by the common bond of their qualifications." Its structure at present on a provisional basis, pending a formal meeting of members.

To counsel these heterogeneous bodies to get together may seem as futile as urging

amb to consort with the lion, but in unity should be capable of achievement, since each body is made up of members who are very much alike in the essentials of their needs and interests.

## Studying the Common Cold

Doctors and pharmacists have often been reproached for providing no generally effective measure for curing or controlling the common cold, and as little in the way of organised research had been done on this widespread scourge until the formation of the Cold Research Unit (see p. 78) by the Ministry of Health and the Medical Research Council (which commenced work in 1946), the reproaches probably had no basis.

Though the infection due to the cold virus is seldom serious, its symptoms are sometimes so distressing as to cause more worry than much more serious infections. Medical statisticians have estimated that the common cold is the cause in Britain of an annual loss of 40 million man-days to industry, and that the average incidence of other respiratory infections (whether they are all due to the common cold virus is uncertain) is three and a half per person annum. These figures alone are sufficient to show the urgency of studying the cold systematically, in the hope of developing later a satisfactory treatment. Although the system employed by the Unit at Harvard Hospital, of using human subjects as guinea-pigs is simple and likely to be repeated in other countries (the U.S.A. has plans for a similar research unit), it is gratifying to learn that in this field of medical research Britain is leading. All this, too, is due to the volunteers who are making the experiments possible: Harvard Hospital has, in fact, a history of heroism, having been started by a number of doctors and others from Harvard University who volunteered for medical relief work in Britain when the country was in the shadow of invasion.

The Unit's appeal to industrial organisations to release volunteers among their employees for tests at the Hospital during university term time, when students are not available, should commend itself to pharmaceutical manufacturers, among others,

particularly as any vaccine or other preparation which results from the experiments will be open to commercial manufacture under guidance from the Unit. Pharmacists on demobilisation leave might also be interested in the scheme.

The work of the Air Hygiene Unit, housed in the same Hospital, on air disinfectants is also of considerable pharmaceutical significance.

## NEW BOOKS

**The National Insurance Act, 1946.**—Douglas Potter, M.A., barrister-at-law. 9 $\frac{3}{4}$  x 6 $\frac{1}{4}$  in., pp. 270. Butterworth & Co. (Publishers), Ltd., Bell Yard, Temple Bar, London, W.C.2. 21s., postage and packing tenpence extra. The National Insurance Act, 1946, received the Royal Assent on August 1, 1946, and gives effect, with the National Insurance (Industrial Injuries) Act, 1946, to the main proposals contained in the Beveridge Report (Cmd. 6404). Mr. Potter's book gives a comprehensive general introduction to the Act as a whole, followed by its full text annotated and explained in detail. In the Appendix are included two recent Orders which alter benefits and contribution rates under the existing law.

**The International Mercantile Diary and Year-book, 1947.**—9 $\frac{3}{4}$  x 7 $\frac{1}{4}$  in., pp. 283 + xxii. Syren & Shipping, Ltd., 26 Billiter Street, London, E.C.3. 25s. post free. Primarily for exporters, the Year-book is now in its thirty-first edition and much swollen by the mass of information which, the publishers state, has at times "almost submerged" their editorial offices. The matter is arranged under (a) Great Britain and Northern Ireland, (b) the British Empire, and (c) foreign countries. The first includes information on export invoices, Imperial Preference regulations, etc.

**Army Dispensing Manual.**—A summary of Addenda II to VII to the 1932 British Pharmacopœia has been published as a supplement to the Army Manual of Dispensing, 1932 (Manual of Dispensing, 1938, supplement, W.O. Code No. 1653, H.M. Stationery Office, Kingsway, London, W.C.2, price 1s.). The supplement tabulates, with brief details of dosage, descriptions, uses and synonyms, the additions made to the Pharmacopœia, under the headings: Drugs, preparations, tablets, concentrated tinctures, and penicillin preparations. A final section tabulates amendments to original monographs.



# A NEW NOTATION FOR ORGANIC CHEMISTRY

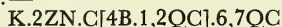
Summary of a lecture given recently by Mr. G. M. Dyson, M.A., Ph.D. before the Chemical Society, the Royal Institute of Chemistry, the Society of Chemical Industry, and the Bureau of Abstracts

A NEW linear system of describing chemical compounds, which is simple to index and capable of being handled in sorting machines, was outlined by DR. G. M. DYSON (author of the system) in London recently. The lecture has since been published as a booklet by the Royal Institute of Chemistry.

Commenting on the disadvantages of existing systems of nomenclature, the lecturer said that though the structural formula was indispensable to the study of organic chemistry, attempts to produce a linear equivalent (following congresses at Geneva (1892) and at Liege), had resulted in complex descriptions almost incapable of being pronounced (for example, 1, 3, 2', 2'—tetrachloro—2, 2 dimethyl propene, the name given to a fairly simple compound). The difficulty has been avoided to some extent by the use of "trivial names," some of these having a useful place in chemical nomenclature (e.g. acetone, C.T.A.B., and o-cresol), but others were less well-known (e.g. anthraparazene, benzotriazepine), and the free introduction of these names into the nomenclature intended for indexing could lead "only to confusion." Enumeration of the ring positions was in a "chaotic state," but the new notation, by means of a few simple rules, avoided all such confusion.

## Symbols and Rules

The principal purpose of the "Dysonian" system was to provide for each compound a unique linear expression delineating its full structure, however complex. At the same time, it was aimed to do this in a form convenient for indexing, and permitting machine-sorting and selection of empirical formulæ on a mathematical basis. The symbols used are the letters of the alphabet (using  $\theta$  in place of o, to avoid confusion with zero), the numerals, parenthesis (), brackets [], the stroke /, stop, comma,, semicolon;, hyphen -, and the sign of a series ... The system produces a cipher which is divided into sections marked off by stops. As an example, the alkaloid papaverine, when reduced to the new notation, is:—



Under the principles of the system:—

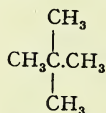
(a) Each section is called an *operation* (e.g. 2ZN).

(b) A number following a symbol without the interposition of a comma stop is termed a *modulant*, as in "B" or "N2."

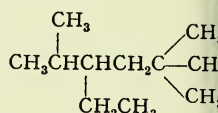
(c) A number immediately preceding a symbol is termed a *locant*, for example "2ZN", or "6,7QC", in which 6 and 7 are locants.

## Application to Chain Hydrocarbons

Straight chain members of the hydrocarbon series are signified by the letter followed by a number (modulant). Thus C2 is ethane, C3 propane, C8 octane and C10 decane. Branched chains are ciphered in terms of the longest chain, the branch being added in subsequent operations, the longest first, since all additions to the main chain are added in order of decreasing size. 2,2,4C indicates three methyl groups in the "2," "2" and "4" positions. The following are examples:—



C3.2,2C



C6.3C2.2,5,5C

Every carbon atom is numbered in order as it appears in the cipher, thus avoiding "tabbed" and "affixed" numerals yet providing a unique enumeration pattern.

Unsaturation is indicated by the use of the letter E, with modulants as below:—

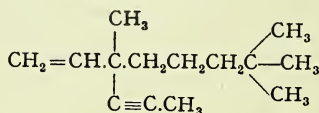
E Ordinary double bond.

E1 Double bond with *cis*-arrangement of groups.

E2 Double bond with *trans*-arrangement of groups.

E3 Triple bond.

Thus ethylene is C2.E; pentene-1 is C5.1C4.1,3.E is butadiene and C4.2E1 and C4.2E2 are *cis*- and *trans*-butene-2-respectively. No consideration of unsaturation is permitted to deflect the initial operation from delineating the longest carbon chain present, for example:—



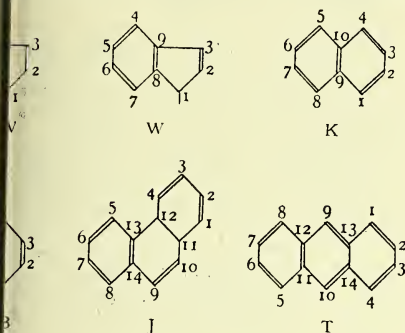
C9.4C2.4.8.8C.10E.2E3

unsaturation is cited after the skeleton has been delineated, and E operations are entered in order of their modulants (i.e. before E3, in the example just given).

Saturated cyclic hydrocarbons are entered by the use of "A" which signifies that a ring has been created, thus AC3 is cyclo-propane, AC6 *cyclo*-hexane and AC8 cyclo-octane. The presence of a second or third ring can be signified by a separate notation in A.

### Aromatic Rings

Aromatic rings are indicated by use of symbols for the six conventional rings as indicated below:—



With V and W the extra hydrogen atom is signified by a modulant as in V1, W1, etc. Thus, toluene is B.C; *p*-xylene is B.4C; *sym*-triethylbenzene is B.1,3,5C2; *1,2*-dimethylnaphthalene is K.1,2C and *1-methyl-4-ethyl-1-butyl* phenanthrene is 4.4C2.5C. Where several rings are present in the same structure they are cited in order of seniority T, J, K, W, B, V, AC and subsidiary rings have their symbols enclosed in brackets to indicate that enumeration begins afresh for each such symbol enclosed.

The symbol H indicates partial hydrogenation of a ring, as in J.9,10H for 9,10-dihydrophenanthrene, and H placed before a ring symbol indicates complete hydrogenation as in HT, HJ, HK and HW which are tetradecahydroanthracene, tetradecahydrophenanthrene, decahydronaphthalene and octahydroindene respectively. Intermediate hydrogenated rings are indicated by the insertion of E operations into the fully hydrogenated ring or by a separate operation in H conjoined with the aromatic ring. A "shorthand" method of delineating fused-ring compounds by reference to an appendix has been devised.

Hetero-derivatives of conventional rings are designated by adding the operation ZN (hetero-nitrogen), ZS (hetero-sulphur), etc., after the symbol of the corresponding homogenous structure, e.g. pyridine is represented B.ZN.

### Functional Groups

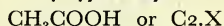
Q denotes oxygen and hydroxyl; EQ carbonyl; and X carboxyl, for example:—



ethyl alcohol



propyl aldehyde

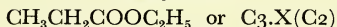


acetic acid

This rule suffices for the notation of all alcohols, glycols, aldehydes, ketones, acids, but ethers and esters are ciphered from the side containing the larger hydrocarbon residue, thus:—



diethyl ether

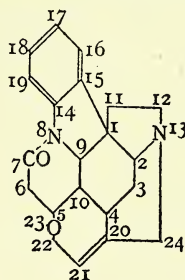


ethyl propionate

When an ester is ciphered from the acid side, X is cited outside the square bracket; when from the alcohol side, X is included within the bracket.

The following modulated forms of N are used to denote nitrogenous fractions: N amino (e.g. aniline B.N); N1 nitro; N2 nitro; N3 azido; N4 azo; N5 pentacovalent nitrogen (as in cetyltrimethyl ammonium bromide C16.N5CCC.17BR); N6 alidazo.

Special rules have been drafted to cover aggregates of polyfunctional units, such as ergotoxin, based on the seniority in citation of the unit with the largest number of operative functions. The application of these principles to strychnine is shown below:—



Strychnine

HK1.8B.4-5B4.13-20AC.1-15A.23ZQ.  
8.13ZN.7EQ.7.8.13.22,23H



### Use in Indexing

The new notation could serve, the lecturer said, in compiling a lexicon of organic chemistry and in drafting international indexes. Experiments had shown that the ciphers could be applied to a punched-card system, and machines existed which would, for example, sort from a pack all structures with given characteristics (e.g. all cyclohexane derivatives); and would print on a roll of paper all the ciphers corresponding to a pack of punched cards fed into a sensing unit. The new notation, being

independent of language, was truly international. By the use of an electromechanical type machine it would be possible for strikers and others to obtain a typeset for photo-lithic reproduction, thus eliminating typesetting and proof correction. The lecturer said he had already ciphered volumes of Belstein's compendium of organic chemistry, and he hoped that by 1954 a complete survey or "Lexicon of organic chemistry" would be prepared, that by 1957 it would be only a few months behind the "wave front" of current publication.

## EMPIRE AND FOREIGN NEWS

**Pharmacists on Strike.**—Six pharmacists employed by a St. Louis, Missouri, drug store went on strike recently and picketed the premises in protest against the discharge of two of their colleagues. Drivers employed by two wholesalers, who sympathized with the strikers, refused to deliver goods to the store where they were employed.

**Austria's Soap Supply.**—More than 1,200 tons of soap from British Army Supplies has been turned over to the Austrian authorities in the past few months. This soap and the U.N.R.R.A. supply will be blended with locally supplied kaolin to produce a soap with a 25 per cent. fat content.

**China's First Penicillin Plant.**—China's first penicillin plant was opened on January 1 in Peiping under the auspices of the American Bureau for Medical Aid to China. The plant, which was purchased and shipped to China by the Bureau, is said to have a capacity of 100 vials per day.

**U.N.O. and Control of Drugs.**—The United Nations Commission on Narcotic Drugs has discussed a Chinese proposal, asking U.N.O. to control narcotics in Japan and Korea. An Egyptian delegate, states a New York report, urged that this action should apply throughout the whole world and not only in the Far East.

**Aerial DDT Spraying.**—In a campaign against the tsetse fly in Northern Zululand, an area of more than thirty-five square miles is being sprayed from aeroplanes with a preparation of DDT. The efficiency of the spraying is checked by distributing cages containing control flies in the area undergoing treatment.

**British Drug Defeats Malaria.**—The new British drug, Paludrine, has cured over

99 per cent. of malaria cases treated in the State of Victoria, Australia, states a recent Reuter report. Of 3,172 cases treated, malaria recurred in only twelve, one-third of one per cent. Similar figures were obtained in the other states.

**Australian Linseed.**—An Australian company has decided to spend £15,000 on an initial outlay to promote linseed growing in Australia, it is learned. In view of the world shortage of linseed, the company hopes to induce farmers to cultivate an area sufficient to ensure steady supplies of linseed. Farmers will be issued cost free with linseed of a rust resistant variety.

**Japan Producing Sweetening Product.**—A substance said to be several thousand times sweeter than sugar and now being manufactured in Holland, has been produced at Niigata on the Japanese island of Honshu. Another product, described as "ethoxynitroaniline," with a sweetening capacity 1,400 times that of ordinary sugar is also announced.

**New Influenza Serum.**—Professor W. Dell Stanley, the American chemist who recently awarded the Nobel prize for chemistry, announced in Stockholm that his influenza serum would soon be available in unlimited quantities throughout the world. The serum, which is already on the market in New York, would not be a costly medication, states a Stockholm report.

**Penicillin Factory for Italy.**—The Italian Council of Ministers has authorized a credit of 350,000,000 lire for the construction of a penicillin plant in Rome. The product will be marketed through private channels. Machinery for the new factory will be provided by UNRRA, the Government credit being destined for construction work only.

## CORRESPONDENCE

respondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

### A Hint to Exporters

—Now is the time for the British manufacturers of chemicals, pharmaceuticals and cosmetics to open a showroom in Luxembourg, to make the public here better acquainted with the quality of British manufactured goods. Until now not much has to have been done in this direction though, before the war, the Grand Duchy ranked, in proportion to its size, large quantities of these products.

(Dr.) FRANCIS MICHEL

(A member of the (British) Chemical Society).

### N.J.I.C. Minimum Rates

—We are dissatisfied with the representation on the National Joint Industrial Council for Retail Pharmacy, viewing with disappointment results which are obviously the logical consequence of considering the pharmacist as a shop assistant. We are confident that the majority of N.P.U. members, being self-employed pharmacists, do have no objections to the economic basis of the non-proprietor being raised to a minimum of £450 per annum, even from the self-interested point of view. Furthermore, it is obvious that the self-employed pharmacist would benefit by increased dispensing fees, which would logically follow a recommendation by the N.J.I.C. Registered Pharmacists' Union intends, soon as its membership strength is preeminently impressive, to deal with this aspect, as a matter of supreme importance to the craft.

G. R. F. ARMITAGE, *president*.

RICHARD CLITHEROW, *secretary*.  
London, W.C.1.

—We are entering upon a period when the day wage-rates, remuneration for the dispensing fees, or whatever you wish to call your income, will be pegged at the present levels. Is it not time for us to be realistic about such things and to admit only, what we all know, that the J.I.C. scale of salaries is much below what a pharmacist does receive, and in fact, is worth today. The day's effective rate is the important factor that must be universally recognised, and not the wishful, may-be-in-the-future, scale as decreed upon by the J.I.C. Employers have no guarantee that they will ever be able to

obtain suitable pharmaceutical labour at the J.I.C. rate, and it will be extremely dangerous, if not disastrous, to have the future health service remuneration based on the present J.I.C. scale. The future makes common ground for pharmacists, both employer and employee, to obtain for pharmacy a recognition of a fair and proper rate for our work.

Wealdstone.

REGINALD GOODE.

### Professional Remuneration

SIR,—I have just dispensed the following prescription for the handsome fee of eightpence:—

Sodii bicarb. ....	1 lb.
Mag. carb. pond. ....	$\frac{1}{4}$ lb.
Calc. carb. ....	$\frac{1}{4}$ lb.
Bism. carb. ....	1 oz.

Sig—3ss. t.i.d.

The prescription is not rare, but the Standing Committee in Scotland has for fifteen years proved itself unable to solve the problem. If any reader can show how a pharmacist is to live on such remuneration I would appreciate advice.

Glasgow.

J. M. WILLIAMSON.

### Unleaderlike Activity

SIR,—May I say how much I agree with what Mr. Goode has written in his letter to you (*C. & D.*, January 4, p. 22). Although I am writing to you as an individual and not in any way representing the body of which I am treasurer (the Institute of Chemists-Opticians) I feel that it is time the arbitrary methods of No. 17 were shown up. My organisation is the largest single body of pharmacists outside the Society and National Pharmaceutical Union; it is officially recognised by the optical authorities, is represented on and takes a very active part in all optical committees, and has a reputation at least equal to that of any other optical body. We as pharmacists have every right to use the columns of the Society's journal so long as we are prepared to pay for the space, and as long as the advertisements have nothing objectionable about them. In ventilating this matter in the columns of *THE CHEMIST AND DRUGGIST*, I think most of your readers will agree that there is something very wrong with the dictatorial methods by which our affairs are managed.

Hove.

FRANK LORD.



## TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex St., W.C.2, January 15

U.S. Drug and Chemical Repo

New York, January

PRODUCTION of PHARMACEUTICAL CHEMICALS is maintained at a high level in spite of the difficult fuel position. Further increases in the prices of some of these products have been announced during the week. ACETYSALICYLIC ACID has been advanced by threepence per lb. and ASPIRIN TABLETS by twopence per 1,000. ACETANILIDE has shown an advance of one penny per lb., and SODIUM SALICYLATE, SALICYLIC ACID and METHYL SALICYLATE have been increased by the same amount. Owing to the greatly increased cost of JABORANDI, makers have raised their selling prices for PILOCARPINE and salts of this alkaloid.

### Crude Drugs

Business continues quiet in the London market with only small changes in prices. A good demand has been shown for ALOES during the past week and inquiries are still being received for Cape material. Curaçao is easier on the spot. A fair business has been done in BALSAMS; supplies of Tolu are improving. A delay is reported in the shipments of Chinese CAMPHOR; quotations show little change from the previous week. A good inquiry is reported for Chinese CANTHARIDES, but no spot supplies are available. GUM ACACIA has shown a good demand from foreign buyers; Kordofan is firmer. BELLADONNA ROOT is in request but no supplies are available. Italian produce shows a very firm market at origin. STAR ANISE is quoted higher for spot material and TURMERIC is selling at a higher value.

### Exchange Rates on London

Bank of England fixed rates at the opening on Wednesday morning were:—

Centre	Quoted	Jan. 15
*Alexandria ...	Piastres to £	97 <sup>3</sup> / <sub>8</sub> -97 <sup>5</sup> / <sub>8</sub>
Amsterdam ...	Florins to £	10.68-10.70
Bombay ...	Pence to rupees	1-5 <sup>11</sup> / <sub>16</sub> -1-6 <sup>1</sup> / <sub>16</sub>
Brussels ...	Francs to £	176 <sup>1</sup> / <sub>2</sub> -176 <sup>3</sup> / <sub>4</sub>
Copenhagen ...	Kroner to £	19.32-19.36
Dutch East Indies	Florins to £	10.68-10.70
Dutch West Indies	Florins to £	7.58-7.62
*Hong Kong ...	Pence to \$	1-2 <sup>11</sup> / <sub>16</sub> -1-3 <sup>1</sup> / <sub>16</sub>
Oslo ...	Kroner to £	19.98-20.02
Paris ...	Francs to £	479.7-480.3
Lisbon ...	Escudos to £	99.80-100.20
Montreal ...	Dollars to £	4.02 <sup>3</sup> / <sub>4</sub> -4.03 <sup>1</sup> / <sub>4</sub>
New York ...	Dollars to £	4.02 <sup>3</sup> / <sub>4</sub> -4.03 <sup>1</sup> / <sub>4</sub>
Rio de Janeiro ...	Cruz to £	75.4416
*Singapore ...	Pence to \$	2-4 <sup>1</sup> / <sub>16</sub> -2-4 <sup>1</sup> / <sub>16</sub>
Stockholm ...	Kroner to £	14.47-14.50
Zurich ...	Francs to £	17.34-17.36

\* Free market rates.

THE New Year opened with many price increases for FINE CHEMICALS reflecting higher costs of raw materials. SULPHATHIAZOLE and the sodium compound both advanced by 50 cents per lb. to \$3. The announcement of the official end of hostilities means that the duty on INDUSTRIAL ALCOHOL will be reduced from \$9 to \$7 per gall. from July 1. Demand for material is strong at the present time; some trade quarters estimate that Government stocks will be exhausted by the end of January and that industrial requirements will then be supplemented by increased production from grain.

United States Commercial Co. is offering 500 100-lb. bales of Japanese AGAR, No. 1 strip of fair average quality. Sales will be made against sealed bids for a minimum of 30 and a maximum of 100 bales. NEW CASTOR OIL prices (an advance of 1<sup>1</sup>/<sub>2</sub> cents per lb.), effective as from December 1, 1946, are announced. The competitive conditions in MENTHOL have been maintained and the quotation has continued to decline steadily. The GLYCERIN outlook is gloomy from the consumers' point of view; in spite of reports that saponification of fats is increasing, it is not thought likely that production will approach demand for many months to come.

Trade in CRUDE DRUGS this week is negligible; consumers of vegetable WAX are resisting the high prices demanded for these materials. It is not thought likely that the cultivation of CALENDULA FLOWERS will be continued in California since imported produce is available at substantially cheaper rates. The first offerings of Siamese BENZOIN GUM were noted on the market this week; the goods are thought to have been stored during the war years.

Dealers in ESSENTIAL OILS are optimistic regarding the general outlook for 1947. The import situation has improved considerably in recent months and the trade has been towards lower prices; trade officials expect the improvement to continue throughout the early part of the new year. CUBEBA OIL was offered this week at the first time in many months and priced ranged from \$12 to \$13 per lb. There was a large inquiry for AROMATIC CHEMICALS despite firmer prices for certain products.

## Pharmaceutical Chemicals

**ACETANILIDE.**—Makers' increased prices 2s. 6d. per lb. for crystals, 2s. 7d. for der.

**ADRENALINE.**—Natural is quoted at 5d. to 6s. per gm.; synthetic, 2s. to 2 d. per gm.

**ANETHOLE, B.P.C.**—Ex aniseed oil: Eng-makers can supply limited quantities 5s. per lb.

**ASPIRIN.**—Makers have announced an ease of threepence per lb. Rates for IRIN TABLETS are higher by twopence thousand.

**BENZOCAMPHOR.**—Quotations are at from 6d. to 37s. 6d. per lb., according to quantity.

**BENZOIC ACID.**—Current price is 2s. 9d. lb., for small quantities.

**CALCIFEROL.**—Quoted at 11s. to 12s. per lb., according to quantity.

**CARBOMAL.**—Importers' prices are from 6d. to 35s. per lb.

**CHLOROCRESOL.**—Makers' prices are unchanged. 1 cwt., 4s. per lb.; 56 lb., 4s. 3d.; lb., 4s. 6d.

**CINCHOPHEN.**—Prices range from 37s. 6d. 40s. per lb., as to quantity.

**CODEINE.**—Prices per oz. current in the open market are: PURE,  $\frac{1}{2}$  oz., 51s. 9d.; 1 oz., 49s. 3d.; 2 oz., 47. 9d.; 3 oz., 47s.; 4 oz., 46s. 9d. HYDROCHLORIDE,  $\frac{1}{2}$  oz., 44s. 4d.; 1 oz., 44s.; 2 oz., 42s. 6d.; 3 oz., 41s. 9d.; 4 oz., 41s. 6d. PHOSPHATE,  $\frac{1}{2}$  oz., 39s. 9d.; 1 oz., 38s. 3d.; 2 oz., 36s. 9d.; 3 oz., 36s.; 4 oz., 35s. 9d. HYDROBROMIDE and IODINE as PURE; SULPHATE as HYDROCHLORIDE.

**CREOSOTE.**—B.P. quality, ex beechwood, quoted at 7s. 6d. per lb.

**PEPTONE.**—Importers' quotation for American material, prepared from meat, is 1s. to 15s. per lb., according to quantity.

**PHENAZONE.**—Importers' quotations are 18s. to 20s. per lb.

**PHENOBARBITONE.**—Current rates for this chemical and for SOLUBLE PHENOBARBITONE are 35s. to 39s. per lb., as to quantity.

**PHENOLPHTHALEIN.**—Makers' quotations unchanged. 1 cwt., 4s. 10d. per lb.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.

**PILOCARPINE.**—Increased rates per oz., from January 13, are as follows: ALKALOID. 1 oz., 37s.; 4 oz., 36s. 6d.; 25 oz., 36s. HYDROCHLORIDE. 1 oz., 32s. 6d.; 4 oz., 2s.; 25 oz., 31s. 6d. NITRATE. 1 oz., 30s. 3d.; 4 oz., 29s. 9d.; 25 oz., 29s. 3d.

## Crude Drugs

**ALOES.**—Curaçao is quoted lower at 235s. to 240s. per cwt., on the spot; forward, from 235s. to 245s., c.i.f. Socotrine is available at 185s., on the spot.

**BALSAMS.**—Canada is quoted at 14s. 9d. per lb. Peru is available at 7s. 9d. per lb., duty paid. Tolu is in rather better supply at about 20s. per lb., spot; shipment, 18s. 6d., landed.

**BUCHU.**—Spot quotations for new crop short-rounds are at 4s. per lb., c.i.f.

**CALUMBA.**—Natural root, for the export trade, is quoted at 55s. per cwt., on the spot; washed root, 80s. per cwt.

**CAMPHOR.**—Chinese  $\frac{1}{4}$ -oz. tablets are quoted at 13s. 6d. per lb., spot; shipment, 10s. 6d., landed, duty paid. Refined powder (B.P.) is quoted at from 10s. to 10s. 6d. per lb., duty paid; crude powder, 9s. 3d. to 9s. 6d.

**CARDAMOMS.**—Aleppy seeds, No. 1, quoted at 7s. 9d. per lb., spot. Aleppy greens, 6s. 9d. to 7s. per lb.

**CASCARA SAGRADA.**—Firm. Quotations are from 275s. to 290s. per cwt., duty paid, according to holder.

**CASCARILLA.**—Spot quotations for quills are lower at 2s. 3d. per lb.

**CHAULMOOGRA.**—Hydnocarpus is quoted unchanged at 2s. per lb., in tins in cases.

**CINNAMON.**—Quillings, quoted from 3s. to 3s. 3d. per lb., spot; featherings, from 2s. 8d. to 3s. 1d.; chips, sifted and washed, 1s. 9d. to 2s. per lb., spot; shipment, 1s. 3 $\frac{1}{2}$ d., c.i.f.

**CLOVES.**—Zanzibar, quoted at 10d. per lb., on the spot; shipment, 9 $\frac{1}{2}$ d., c.i.f.

**ERGOT.**—Quotations are at 4s. 6d. to 4s. 9d. per lb., on the spot; to arrive 4s. 3d., c.i.f.

**EUPHORBBIUM.**—Quotations are at 75s. per cwt., on the spot.

**GALANGAL.**—Forward quotations for the root are at 75s. per cwt., c.i.f.

**GALBANUM.**—Scarce on the spot. Quoted at 8s. 6d. per lb., duty paid.

**GENTIAN.**—French root is quoted at 112s. per cwt., on the spot.

**GINGER.**—Jamaica No. 1 is quoted at 120s. per cwt.; No. 2, 115s.; No. 3, 105s. to 107s. 6d. Sierra Leone, 70s. per cwt., spot. African is available at 82s. 6d., on the spot.

**GUM ACACIA.**—A firmer market. Kordofan cleaned sorts, 77s. 6d. per cwt., spot. Shipment, old crop, 72s., c.i.f.; new crop, February-March, 74s. 6d. per cwt., c.i.f.



Bleached, No. 1, 145s., ex store. Talha, cleaned, 45s., spot; forward, 42s. 6d., c.i.f.

GUM MASTIC.—Quoted on the spot at 17s. per lb., duty paid.

HENBANE.—Indian leaf, quoted at 25os. per cwt., on the spot. Egyptian (*muticus*), shipment offers withdrawn.

HENNA.—Indian leaves, on the way, are expected to be quoted at about 1s. 5d. per lb., spot, upon arrival.

HYDRASTIS.—Quoted at 57s. 6d. per lb., landed, buyer's licence.

IPECACUANHA.—Firm. Nicaraguan root is quoted at 28s. 6d. to 29s. per lb.; there are no shipment offers.

JALAP.—Vera Cruz, with a reputed test of 12 per cent., to be shipped, 3s. 6d. per lb., nominal.

JUNIPER.—Italian berries are firmly held at 56s. to 65s. per cwt., according to quality.

KAMALA.—Steady. Small quantities can be obtained at 3s. per lb., spot.

KARAYA.—No. 1 gum is quoted at 215s. to 22os. per cwt., spot; No. 2, 17os.

KOLA NUTS.—African quarters, steady at 7½d. per lb.; African halves, 5d. to 6d., according to quality; Jamaican washed halves, 5½d. per lb.

LIQUORICE ROOT.—Anatolian whole root is steady at 6os. per cwt., spot. Turkish juice (block) is quoted at 25os. to 26os., spot; forward, 19os., c.i.f.

LOBELIA.—Quotations are at 6s. per lb., on the spot.

MENTHOL.—Brazil, on the spot, 44s. to 45s. per lb.; forward, 38s., c.i.f. Chinese is quoted on the spot at 47s. 6d. per lb., duty paid.

MERCURY.—Spot quotations are at £20 15s. to £21 per flask, ex warehouse; for shipment, £20 6s., c.i.f.

MYRRH.—Aden sorts, quoted at £14 to £17 per cwt., according to quality; siftings are available at £10 per cwt.

NUTMEGS.—West Indian 80's, worth 4s. 9d. per lb.; sound unassorted, quoted 4s. 4½d. per lb., spot.

NUX VOMICA.—Madras, quoted at 4os. to 42s. 6d. per cwt.; Mangalore, 4os.; Cochín, 43s. 6d. to 45s. spot.

ORANGE PEEL.—Quotations for Spanish quarters are at 1s. 6d. per lb., spot; sweet ribbon, 1s. 9d. per lb. Italian bitter quarters are offered at 1s. 6d. per lb., spot.

ORRIS.—A firm market. Florentine is quoted at 14os. to 15os. per cwt., according to holder.

PAPAIN.—East African white, 28s. 6d. per lb., spot, nominal.

PIMENTO.—Quiet and steady. Spot quotations, 1s. 0½d. per lb.; forward, 122s. 6d. per cwt., c.i.f.

QUASSIA.—Chips are quoted at 36s. 38s. per cwt., c.i.f.

QUILLAIA.—Spot quotations for natural bark, 13os. per cwt.; cut, 15os., ex store.

RHUBARB.—Chinese rough round with fair fracture, 9s. 6d. to 1os. 6d. per lb. according to quality; forward, 8s. per lb. c.i.f. Poorer material, 8s. 6d. to 9s. per lb. spot; forward, 7s. 6d., c.i.f. French rhubarb is available at 23. 3d. per lb., spot.

SARSAPARILLA.—Jamaica native red is quoted at 2s. 4d. to 2s. 6d. per lb., according to holder.

SEEDS.—ANISE.—Spot, Cyprus, 2s. 6d. per lb., ex wharf London or Liverpool.

CELERY.—Spot, Indian, 1s. 6d. per lb., ex wharf London or Liverpool. DILL.—Spot, Indian, 5s. per cwt., ex wharf London 52s. 6d., ex wharf Liverpool. CUMIN.—Spot, Morocco quoted at 21s. 6d. in box and 235s., duty paid. Indian, 235s. landed terms Hull. Cyprus, 23os., ex wharf London.

FENNEL.—Spot, Indian, 150s. ex wharf Liverpool. FENUGREEK.—Spot, Indian, quoted at 55s. per cwt., ex wharf London; 52s. 6d. ex wharf Liverpool.

CORIANDER.—Spot, Morocco, sold at 60s. duty paid; Indian, offered at 7os., ex wharf London.

SENEGA.—Quoted at 15s. to 15s. 6d. per lb., on the spot.

SENNA.—Tinnevely leaves, spot, No. 1, 2d.; No. 2, 10½d.; No. 3, 10d.; No. 4, 8½d. Tinnevely pods, hand-picked 10½d. to 1s. 4d.; manufacturing grade, 6d. to 6½d. Alexandrian pods, hand-picked, spot, from 4s. 3d. to 4s. 9d., according to quality; medium, 2s. 9d.; manufacturing grade, 1s. 9d. to 2s.

TRAGACANTH.—Market quiet with prices steady. Selected grades are quoted at £15 per cwt. Prices of other grades are as follows: No. 1, white, £145 per cwt.; No. 2, white, £125; No. 3, white, £110; No. 4, white, £85; pale leaf, £50; amber leaf, £50; dark amber, £35; brown leaf, £20; red-and-brown leaf, £20; red leaf from £17; hoggy, £12 to £15.

TURMERIC.—Madras finger is quoted at 97s. 6d. to 10os. per cwt., on the spot. January-February shipment, 107s. 6d. c.i.f.

VALERIAN.—Belgian root is quoted at 21os. to 24os. per cwt., according to holder.

## Essential and Expressed Oils

**CASTOR.**—Current rates are as follows: "firsts," £110; "seconds," £108 per ton, cased ex works.

**CINNAMON LEAF.**—Steady. Quotations from 17s. to 18s. per lb., on the spot.

**CITRONELLA.**—Ceylon is quoted from 9d. to 14s. 9d. per lb., on the spot.

**CLOVE.**—English-distilled bud oil is steady at 11s. to 12s. per lb., spot, according to quantity.

**CORIANDER.**—English-distilled oil (B.P.) quoted at from 22s. to 25s. per lb.

**GERANIUM.**—Bourbon is quoted at 85s. to 90s. per lb., on the spot.

**GINGER.**—Quotations vary as to quality from 80s. to 100s. per lb.

**GUAIACWOOD.**—Quoted at 18s. to 19s. per lb., spot, according to quantity.

**JUNIPER BERRY.**—Steady. English-distilled oil is quoted at 35s. per lb., spot.

**LAVENDER.**—French oil (38 to 40 per cent. esters) is steady at 62s. 6d. to 67s. 6d. per lb. Spanish (spike), 15s. per lb., on the spot.

**LEMONGRASS.**—Spot quotations for Ceylon are from 20s. to 21s. per lb.; forward, from 18s. to 19s., c.i.f.

**LIME.**—Spot quotations for West Indian-distilled oil are steady at 35s. per lb.

**NEROLI.**—Forward quotations are about 40s. per oz., c.i.f.

**NUTMEG.**—Scarce. English-distilled oil quoted at 77s. 6d. per lb.

**ORIGANUM.**—Steady. Quoted at 21s. per lb., on the spot.

**PALMAROSA.**—Spot quotations all higher at 50s.; forward 41s. per lb., c.i.f.

**PATCHOULI.**—Singapore, shipment is quoted at 200s. per lb., c.i.f. Seychelles, shipment 120s., c.i.f.

**PIMENTO BERRY.**—English-distilled oil is steady at 57s. 6d. per lb., on the spot.

**Synthetics and Isolates.**—Many of these products remain in short supply and are not necessarily available because prices are quoted: **AMYL ACETATE.**—Pure. Small quantities may be obtained at 2s. to 2s. 6d. per lb. **AMYL SALICYLATE.**—About 4s. 6d. per lb. **BENZYL ACETATE.**—4s. per lb. **BENZYL ALCOHOL.**—4s. per lb. **BENZYL BENZOATE.**—Perfumers' quality, 6s. per lb. **BIPHENYL METHANE.**—7s. per lb. **BUTYRIC ACID.**—About 7s. 6d. per lb. **ETHYL BUTYRATE.**—9s. per lb. **CINNAMIC ALDEHYDE.**—About 9s. per lb. **CITRAL.**—Chemically pure, in the region of 65s. per lb.

**CITRONELLOL.**—Nominal prices range from 60s. to 70s. per lb. **COUMARIN.**—Quoted at 20s. per lb. **ETHYL PHTHALATE.**—2s. per lb. **EUGENOL.**—About 18s. 6d. per lb. **GERANIOL.**—Ex Ceylon, 45s. per lb. **HELIOTROPINE.** 22s. 6d. per lb. **IONONE.**—100 per cent., 95s. per lb. **ISOEUGENOL.**—22s. per lb. **METHYL BENZOATE.**—6s. per lb. **METHYL CINNAMATE.**—12s. 6d. per lb. **RHODINOL.**—200s. per lb. **TERPINEOL.**—Perfumers' quality, 5s. 9d. per lb.

## PEPPER ORDER REVOKED

As a result of the new Order revoking the Pepper Order, 1943, effective as from January 12, 1947, the Ministry of Food will cease to be the sole importer of pepper, which, until further notice, will come under import licensing procedure, licences being available only to approved processors who have been receiving direct allocations of whole pepper from the Ministry. The Ministry is making an immediate allocation of black pepper ex U.K. stocks of the usual three-monthly quantity, with the object of providing working stock pending the arrival of imports under licence. This allocation will be made at a price approximately equivalent to current Singapore and/or Indian shipping prices. Invitations to apply for import licences for black or white pepper are being sent to the firms who will be eligible. Quotas for the first six months *pro rata* to the present basis of allocation have been fixed, but the quantities will exceed the releases from stock. The Ministry will cease as from March 31 to make special releases for such purposes as ships' stores, export, manufactured meats for N.A.A.F.I., etc., requirements for which will subsequently have to be obtained from trade sources. The Ministry will however continue for the time being to hold a stock of black pepper for use as a reserve until the necessity no longer exists when, it is contemplated, it will be offered to the trade. The Ministry looks to the trade to justify this removal of control by: (a) seeing that consumers' requirements are met by importing adequate quantities; (b) keeping prices at levels corresponding to the cost of importation; (c) broadening distribution to include the needs of all classes of consumers to the fullest possible extent. The only control remaining on the commodity (apart from import licensing procedure) will be the prohibition under the Manufactured and Pre-packed Foods Order from manufacturing or pre-packing compounds containing pepper, except under licence.



## OVERSEAS TRADE NEWS

**Swiss Pharmaceutical Exports.**—Exports of drugs and medicines increased to 15 million francs during November 1946, compared with 8 million francs in the corresponding month of 1945.

**Czech Dyestuffs for U.S.**—Czechoslovakia's National Association of Mining Industries is said to be interested in the establishment of a United States market for certain dyestuffs, particularly vandyke brown.

**Export Duty on Ceylon Cinnamon.**—It is the intention of the Ceylon Government to establish a free market in cinnamon in the near future and to impose an export duty, subject to a minimum of 20 cents per lb., on certain grades of cinnamon, states a Colombo report.

**Italian Pharmaceutical Manufactures.**—The production of pharmaceutical goods in Italy is increasing, states a recent report. New sulphonamide drugs are being produced by one of the largest chemical combines and also a liver oil preparation derived from tunny fish.

**Belgian Congo Cinchona Crop.**—The 1947 cinchona bark harvest of the Belgian Congo is estimated at 600 tons, which will produce 42,000 kilos of quinine sulphate. According to a report, 400 tons of the bark will be processed in the Congo, while the remainder will be exported.

**Dutch-Norwegian Trade Agreement.**—A Dutch-Norwegian trade agreement for 1947, calling for the exchange of 90 million crowns' worth of goods was announced recently. Under the agreement, export quotas have been increased for Dutch linseed. Imports from Norway include cod-liver oil, and other oils and fats.

**Russian Exhibition.**—A permanent exhibition, designed to give Soviet traders the opportunity of becoming acquainted with all types of machinery produced abroad and for sale, is to be set up in Moscow. According to reports, invitations are being extended to British traders to participate in the exhibition.

**Indian Shellac Exports.**—In October 1946, India exported 13,641 packages of shellac. Of this total, the United States received 11,731 packages, compared with 1,600 for the United Kingdom and 310 for other European countries. In November, 48,246 packages were exported and December shipments are estimated at being in the region of 49,907 packages.

**S. Rhodesia's Groundnut Oil Exports.**—The Dominion's exports of groundnut declined in September 1946 to £32,541 when compared with the previous month total of £36,068, but the value for the period of the first nine months of last year £253,941, was considerably more than twice the comparable figure of £108,841 in 1945.

**South African Toilet Manufactures.**—The advance in quality and variety of South African perfumes and beauty preparations, more particularly since 1942, has been such that the industry has not only gained a recognised place in the South African market, which it is holding in the face of overseas competition, but it is also developing its exports, especially to the Belgian Congo and other African territories.

**Threat to Synthetic Rubber Industry.**—With the increase in supplies of natural rubber, American synthetic rubber interests are asking for an extension of the wartime measures which have compelled manufacturers to mix synthetic with natural rubber in specified proportions. Congress is to be asked to enact permanent legislation to protect U.S. synthetic rubber in the interests of national security.

**Lower U.S. Cosmetics Tax.**—Reduction of the present 20 per cent. Federal excise tax on cosmetics to 10 per cent. by July 1, either through direct action of Congress or declaration of official termination of the war emergency, is anticipated by the U.S. toilet goods industry. A cut in the tax would help both consumer and industry in the keen competition which will be according to trade authorities, probably mark 1947.

**Chinese Import Trade Regulations.**—Under the provisions of the Chinese import licensing regulations which were introduced in November 1946, oils, fats and waxes, pharmaceuticals are included in Schedule II, and are, therefore, to be imported under quotas fixed by the appropriate Chinese authority. Import licences will be considered for agar (in bulk), insecticides, disinfectants, malt, crude vegetable drugs, cod-liver oil, linseed oil, optical lenses and spectacle frames, saccharine and other products. Manicure sets, powder puffs and vanity cases, combs, hair brushes, perfume and cosmetics are included in Schedule I and importation of them is thereby prohibited.

## BUSINESS QUERIES

### Conversion to Limited Company

*"We are turning this business into a limited liability company and would very much like to know the nature of the documents that have to be lodged, also the kind of registers that will have to be kept.—G. E."*

The following documents should be lodged with the Registrar:—Memorandum of association; articles of association; statement of the nominal capital; declaration of compliance with the requirements of the Companies Act; notice of the situation of the registered office; particulars of the directors. The following are some of the more important registers to be kept:—Genda book; general minute book; director's minute book; register of members; share ledger; register of directors and managers; register of transfers; annual list and summary.

### Correspondence Files

*"One of my most pressing problems is to deal with correspondence and to file papers. Perhaps you would be good enough to outline a suitable and simple method?—L."*

Much time can be saved by subjecting all covers and wrappers to a quick scrutiny as soon as the mail arrives. Invoices, credit notes, statements of account, etc., can be passed on to the assistant concerned and a few trays or baskets can be used when sorting out the remainder, each receptacle being suitably labelled to indicate the nature of the papers. Letters from customers, for example, may be placed on one tray, orders on another, letters from suppliers on a third, and so on, a separate basket being used for cheques and other remittances. Cash enclosures should be carefully verified and compared with the amounts stated in the covering letters, and recorded in the cash book without delay. Some chemists make a note in a private diary of all cash received in the post, and at the same time fill in the counterfoil of the bank paying-in book, leaving the main portion of the latter to be filled in by the assistant when depositing the money. Letters received should be stamped to show the date of receipt and the date of any reply, and the initials of the opener will sometimes simplify matters. With regard to filing, each different type of document should have a separate file, the files themselves being supplied either flat or vertical.

## MISCELLANEOUS INQUIRIES

Formulas given below may have been prepared for overseas subscribers and the inclusion of substances therein is no indication that they are available in Britain or, if available, permitted to be used.

**Sale of Lactose.**—*T.B.C.*—There is no regulation of the Ministry of Food governing the wholesale or retail sale of lactose.

**Plan Copying Solution.**—*K.T.D.*—A solution for use in hot countries for a plan copying process may be prepared as follows: Make up following stock solutions:

(a) Pour 12 oz. photographic fish glue into an empty mixing bottle, add 3 oz. water, and stir with a glass rod until thoroughly mixed. Add 5 c.c. ammonia, stir again and pour whole into glass-stoppered bottle.

(b) Pour 7 oz. water into a glass-stoppered bottle, add 1 oz. bichromate of ammonia and 5 c.c. ammonia. Shake until crystals dissolved.

To make sensitive, pour equal volumes (a) and (b) into glass-stoppered bottle and shake till thoroughly mixed. Should be freshly prepared every day.

**Bay Rum.**—*S.C.D.*—A formula for a cheaply produced bay rum is as follows:

Oil of bay	1 oz.
Borax	1 dr.
Oil of cinnamon	2 dr.
Oil of clove	20 min.
Oil of lemon	2 dr.
Alcohol	20 oz.
Water to	1 gall.
Talc	4 oz.

Rub the oils with the talc in a mortar until they are thoroughly mixed, then add the borax. Add the alcohol and transfer to a bottle. Rinse out the mortar with a little of the water and add to the alcohol-oil mixture. Shake thoroughly and add water to make 1 gall. Allow to stand twenty-four hours with frequent shaking, and filter.

**Household Bleach.**—*J.M.L.*—A bleach solution suitable for laundry and other purposes may be made according to the following formula:

Chlorinated lime	1 lb.
Washing soda	1½ lb.
Water	1 gall.

Allow to stand for a few days and filter. If a little hydrochloric acid (e.g. 2 dr.) is added to each gallon of the filtered liquid the odour is more pronounced by reason of the chlorine that is liberated. If sodium bicarbonate is employed more free hypochlorous acid is obtained, and consequently a more active product.



## TRADE MARKS

(from "The Trade Marks Journal,"  
December 18)

"NOSEY-PARKER"; for scouring soap in powder form (3); "MA-PAX"; for soap powders (3). By Fitchetts, Ltd., 28 Abbey Street, Hockley, Birmingham, 18. 643,726-28 (Associated).

"MON AMI"; for perfumes (3). By De Graf Perfume Bars, Ltd., 19 Grosvenor Gardens, Temple Fortune, London, N.W.11. 643,772.

"CADOMAX"; for perfumes, toilet preparations (not medicated), cosmetic preparations, preparations for the hair, and soaps (3). By Jean Louis Robert Boudou, 31 St. George Street, Hanover Square, London, W.1. 644,129.

"RIO RITA" and "SARONG"; for toilet preparations (not medicated) and cosmetic preparations (3). By Crystal Products Co., Ltd., Hook Rise, Kingston By-pass, Surbiton, Surrey. 644,157, B644,158.

"LUNADOWN"; for sanitary towels and sanitary clothing for women (5). By Collins Arden Products, Ltd., Regency House, Warwick Street, London, W.1. 643,265.

"IMPEX"; for preparations, substances and materials, all for use in dentistry (5). By Dental Fillings, Ltd., 121 Camden High Street, London, N.W.1. 643,309.

"NINTIL"; for pharmaceutical preparations (5). By Barluze (Products), Ltd., 196 Two Ball Lonnen, Newcastle-upon-Tyne, 4. 644,170.

"ALPID"; for medicated bath preparations (5). By The Abietsan Manufacturing Co., Ltd., Concordia Works, Carmichael Road, London, S.E.25. 644,207.

"ORALAX"; for pharmaceutical laxative preparations (5). By Hirst, Brooke & Hirst, Ltd., Sheepscar Works, Sheepscar Street South, Leeds. 644,225 (Associated).

"PESTENOX"; for weed killers (5). By Pest Control, Ltd., Harston, Cambridgeshire. 644,238 (Associated).

"WENDOC"; for pharmaceutical preparations and substances (5). By Glyn Charles, Trinity Pharmacy, 30 New Dock Road, Llanelli. 644,289.

"TOTEM"; for disinfectants; insect and vermin destroying preparations (5). By Cimex, Ltd., Sevenoaks Road, Pratts Bottom, Farnborough, Kent. 644,392.

"FLAGDAIR" and device of cross flags with letter S in the centre ("Flagdair" and "S" disclaimed); for flagged hair for brush making (21). By E. & G. Slack, Ltd., Old Mills, Drighlington, nr Bradford, Yorks. 643,107.

"MAJESTIC"; for shaving brushes (21). By H. G. Benwell & Co., Ltd., Crescent Lane, Clapham Common, London S.W.4. 644,171.

### APPLICATIONS AMENDED AFTER ADVERTISEMENT

Specification 633,030 by Hans Emanuel Neumann Enoch should be altered so as to read "Mould metabolism products prepared for pharmaceutical purposes."

Specification 639,681 by Medo-Chemicals Ltd., should be altered so as to read "Pharmaceutical preparations for the treatment of dyspepsia, indigestion and flatulence."

Specification 641,202 by Savory & Moore Ltd., should be altered so as to read "All goods included in class 5, except pharmaceutical preparations for use as hypnotics, sedatives and soporifics."

Facsimile signature "J. Bleddyn Morris" for pharmaceutical preparations (5). By The Brynn Manufacturing Co., Ltd. 272 Wigan Road, Brynn, Wigan 641,142.

(from "The Trade Marks Journal,"  
December 30)

"SOLOFOAM"; for ammonia washing preparations for laundry and household use (3). By Solo Laboratories, Ltd. 103 Walmer Road, London, W.10 639,644 (Associated).

"JEYES" on circular device of the rising sun and waves; for soap, scouring and abrasive preparations, toilet preparations for the hair and teeth, detergent and ammonia for domestic purposes (3) pharmaceutical preparations for human and veterinary use, disinfectants, antiseptics, germicides, fungicides, weed killing preparations, deodorisers, vermin, slug and snail destroying preparations, medicated toilet paper (5); atomisers and powder blowers, being hand tools for killing insects (8); toilet paper (not medicated) and paper towels (16). By Jeyes' Sanitary Compounds Co. Ltd., Richmond Street, Plaistow, London, E.13. 632,487,-89,-90,-91 (Associated).

# 1947

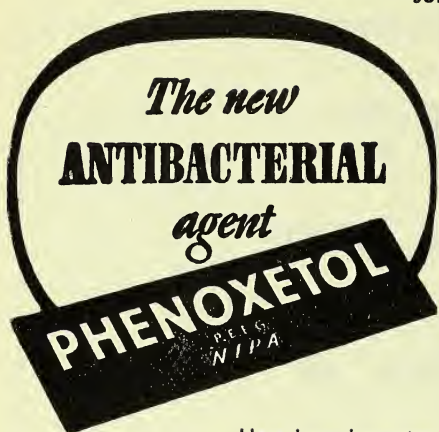
marks the 150<sup>th</sup>  
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References: *Lancet*, 1944, **247**, pp. 175 and 176.

*British Medical Journal*: 1946, **1**, p. 50.

*Pharmaceutical Journal*: 1945, **155**, p. 245.

Original Bottles—100 c.c., 250 c.c., 500 c.c.,  
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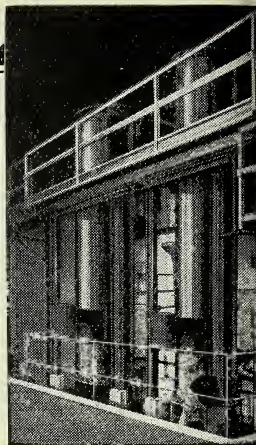
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# STERLING

VOLUME

Page 187

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**Properties.** A white crystalline powder or colourless crystalline granules, readily soluble in water and having a saline taste.

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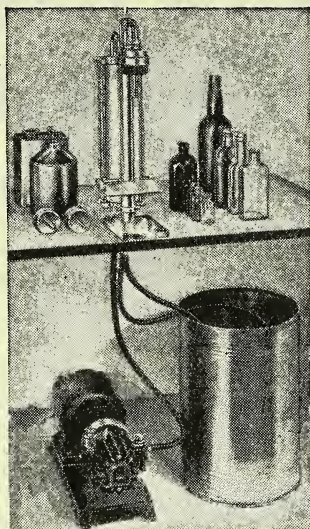
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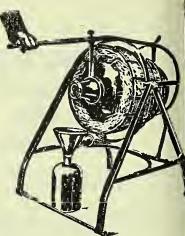
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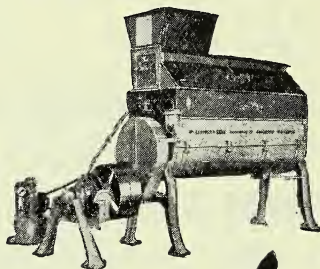
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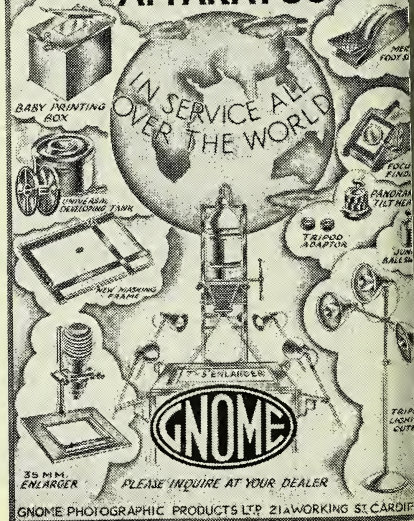
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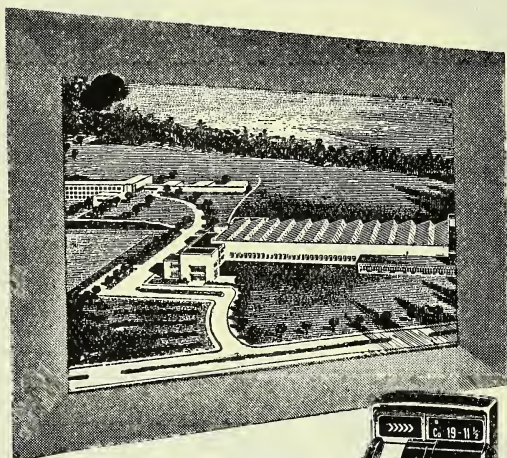


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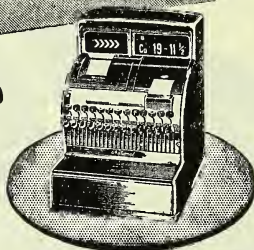
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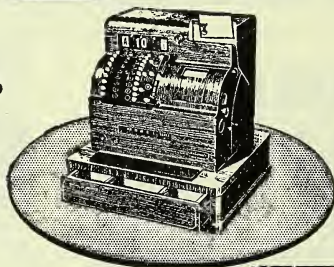
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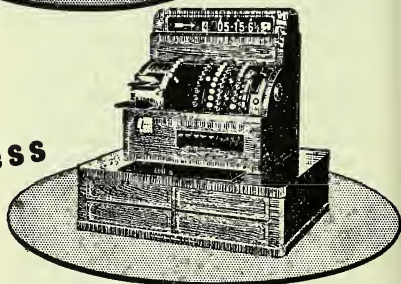
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'Avlon' penicillin sodium salt is a white odourless powder having a potency of at least 1,600 units per mgm. and containing not less than 96% of penicillin G (11). With this highly purified material the possibility of its solution causing pain on injection or of producing toxic reactions in the patient is reduced to a minimum.

'Avlon' penicillin sodium salt is stable at ordinary temperatures and in Great Britain may be stored without refrigeration.

It is issued in vials of 100,000 units, 200,000 units, 500,000 units and 1 mega unit.

*Literature supplied on request.*

**IMPERIAL CHEMICAL [PHARMACEUTICALS] LTD.**  
**THE RIDGE, BEECHFIELD ROAD, ALDERLEY EDGE, MANCHESTER**

Ph. 176a





**MORE PROFIT  
FOR THE  
RETAILER**

ON

**Johnson's  
baby  
powder**

**OLD TERMS**

Trade: 8/4d. a dozen

Retail: 12/- a dozen

(1/- a tin excluding tax)

Profit: 3/8d. a dozen tins

**NEW TERMS**

Trade: 10/- a dozen

Retail: 14/6d. a dozen

(1/2½d. a tin excluding tax)

Profit: 4/6d. a dozen tins

- *Increased profit for retailer  
10<sup>p</sup> on a dozen tins*

**Johnson & Johnson** (GT. BRITAIN) LIMITED · SLOUGH & GARGRAVE



## "WEBSTER'S"

### STAINLESS STEELWARE

Specialists in modern equipment for manufacturers, i.e., Funnels, Buckets, Jugs, Mixing Containers, Measures, Percolators, Bories, etc., etc.

Suppliers of Stainless Steel utensils, at prices which enable the user to employ them in place of other metals as an economical proposition.

The use of Stainless Steel equipment, designed on modern principles, enables overhead costs to be reduced and makes for more convenient and better working conditions.



**ISAAC WEBSTER & SONS, LTD.**

**MACHINE WORKS, KIRKSTALL, LEEDS, 5**

**1580 Headingley, Grams: Isaac Webster, Kirkstall**

**GYNEX**

Gynex, the safe prophylactic and antiseptic for female hygiene is rapidly forging ahead, leaving profits and goodwill in the hands of those Chemists who stock it.

Comprising a complete outfit (or refill) GYNEX is now attractively dressed in new coloured boxes which, with show cards available, make a quiet but effective window display.

**GYNEX**

**GYNEX**

**GYNEX**

**GYNEX**

### PRICES:

**GYNEX COMPLETE OUTFIT**  
Retail 7/6.

Wholesale 57/- doz.

**GYNEX REFILL:** Retail 7/-  
Wholesale 52/- doz.

SEND TRIAL ORDER TO-DAY

GYNEX (Formerly known as Patentex)

**Merz & Co. Ltd.**

**A regular  
repeater**

**Monument Buildings,  
MONUMENT STREET,  
LONDON, E.C.4.**

**"Have you got  
MATHAPLAST  
please?"**

**"We certainly  
have-it's very  
popular"**

**6<sup>D</sup> and V.**

**Wm. MATHER Ltd.  
MANCHESTER 15**

**"NORVEX" REGD.**

**SANITARY  
TOWELS**

**Made from the best Materials.**

**Remember "NORVEX"  
for Quality.**

**C. R. CROSSKILL & SONS  
NORWICH**



TRADE MARK

# SAN-MEX

REGD.

Quality disinfectants

*Six  
best sellers!*

Unfortunately they  
sell too fast for us  
to meet the huge  
demand—but we  
are doing all we  
can to help you.

Trade enquiries to Sole  
Manufacturers:—

**The BRITISH PRODUCTS SAN-MEX Co., Ltd**

SAN-MEX CHEMICAL WORKS, ST. ANDREWS SQ., GLASGOW, C.I

# Tintex

THE WORLD'S  
LARGEST-SELLING  
HOME DYE



**It's Illegal—**

Maybe!—to use a distillation apparatus in one's boudoir  
without a very special permit. The field organisation, however,  
with its scientific planning, permits the products of distillation  
to be used for all fine perfumery and  
aids to beauty anywhere. Can  
we offer you our technical help?

*Field*



PERFUME COMPOUND SPECIALISTS

FIELD & CO. (AROMATIC) LTD., MOUNT PLEASANT, ALPERTON, MIDDLESEX



QUALITY &  
QUANTITY



**Satino**

**TOILET PAPERS**

Rolls 1/1½. Pkts. 11½d.



Super Soft

The Paper Specialists:  
**FREEDER BROTHERS PAPER MILLS**  
BRIMSDOWN, ENFIELD, MIDDLESEX.

## People are asking for DOMESTOS

..... but we regret that supplies of this quick - selling cleanser and disinfectant are held up owing to a shortage of bottles.

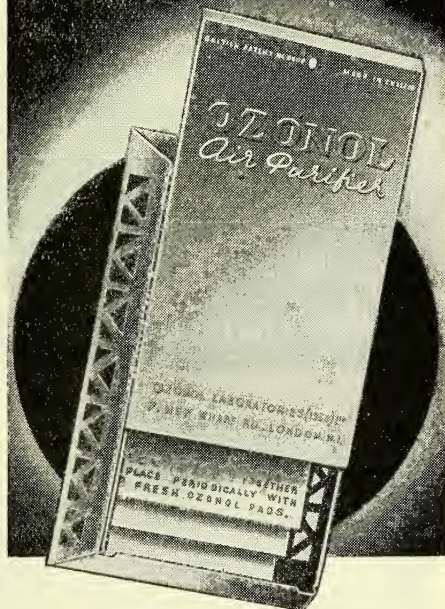


Limited deliveries at present ....  
yet we look forward to ample  
supplies in the future

**DOMESTOS LIMITED**  
College Works, Newcastle-on-Tyne

# OZONOL

*is back—for your*  
**"HOME" TRADE**



You can now satisfy the demand for both OZONOL Air Purifiers and Refills. National advertising is in preparation and free window displays gladly arranged.

### PRICES

Complete 42/- per doz.  
plus 8/- P.T. (Retail 5/4).  
Refills 18/- per doz.  
Tax Free. (Retail 2/-).  
Orders fulfilled in strict  
rotation until supplies are  
normal.



**OZONOL LABORATORIES (1930) LTD.**  
NEW WHARF ROAD · LONDON · N.1



# EDME "Autumn Sun"

EXTRACT OF MALT WITH COD LIVER OIL



**EDME LIMITED IMPERIAL HOUSE, REGENT ST., LONDON W.I.**  
TELEPHONE REGENT 5563-4

## Display THIS SHOWCARD

### and get your share of extra custom.

This attractive Show Card in Full Colour (only  $9\frac{1}{2} \times 8\frac{1}{2}$  inches) needs no strutting or fixing. A 1 lb. jar in the centre of stand makes a right display. Placed on the Counter or in the Window it compels attention and creates sales.

EDME "AUTUMN SUN" Malt and Oil equal and in many respects superior to anything on the market.

National Advertising during the Winter months will bring increased trade to the Pharmacies that stock EDME "AUTUMN SUN."

For particulars and prices write to:—

*Memo*

May we remind our clients and friends, our service is as always, quick and comprehensive and supplies are fairly distributed.

**Ferryman**  
OF SOUTHAMPTON

Wholesale and Manufacturing Chemists and  
Wholesale Druggists, Suppliers of Proprietary,  
Drugs, Sundries, Packed Goods and  
Pharmaceuticals.

HERBERT FERRYMAN LTD.  
COBDEN BRIDGE, SOUTHAMPTON  
Telegrams: 74041 (5 lines)  
Ferryman Southampton Telephone:

## Sweetule Products Ltd., Mfg. Chemists Radcliffe, Manchester

have pleasure in announcing the installation of new plant and are in a position to complete up to

**5,000,000 Saccharin Tablets**  
weekly, from your 550 Saccharin

QUICK DELIVERY

LOWEST TERMS

## GELATINE (EDIBLE)

Enquiries invited for

**Pure Food (fully guaranteed)**  
**EDIBLE GELATINE**  
from holders of Board of Trade  
open, specific or consumer  
Licences. Minimum quantity  
supplied 3 cwts.

Please state, Type, Quality and Quantity required  
**A. E. DAILEY & CO., Gelatine & General**  
**Produce Merchants, 62, Dale St., LIVERPOOL 2**



## FOR PROTECTION AGAINST **COLDS**



**COMPLETE COURSE 7/6**  
Inclusive of Purchase Tax  
Trade Discount 33½%

**P.A.T.A.**

A product of **SOUTHON LABORATORIES LTD., LONDON, S.W.15.**

## Many Apologies

for the delay in executing recent orders for Esobactulin Capsules. Arrears which the large demand created are now being overtaken] and normal deliveries will soon be resumed.



**6 CAPSULES TAKEN OVER 5 DAYS GIVE  
MOST PEOPLE 3 MONTHS IMMUNITY**

*Sole Distributors :*

**CHAS. F. THACKRAY LTD.**  
Old Medical School, Park St. Leeds 1

**CRESTOL**  
ANTISEPTIC • MEDICATED CREAM  
IODINE OINTMENT

**CRESTANOL**  
VAPOUR RUB

**CRESTOZONE**  
INHALANT

**IODOCREST**  
OINTMENT  
also

ZINC, BORACIC and SULPHUR  
OINTMENTS, and PETROLEUM JELLY

SELLING AGENTS:

**EN-FEM SALES LTD.**  
STOCKPORT ROAD, MANCHESTER 13

**REST LABORATORIES LTD.**  
Manufacturing Chemists  
BURY NEW ROAD, SALFORD 7



Here is the larger of the two packs of Daisy Tablets which may become more popular than the neat and trim 3½d. size. You will like the new 1/3 pack. A really good formula (A.P.C. with Piperine—perhaps the best of all A.P.C. combinations), a first-rate pack — a popular price and generous profit. **UNIVERSALLY ADVERTISED**  
Limited supplies of this handsome display carton are still available and will appeal to the Chemist who seeks to establish the 1/3 Price Standard.  
Order from your Wholesaler: 1 Display Carton (1 dozen), 1/3. Daisy Tablets at 9/6, plus Tax. (P.A.T.A.)  
**J. E. ELLIS LTD., HORSFORTH, LEEDS**



**NATION-WIDE ADVERTISING — ATTRACTIVE WINDOW DISPLAY**

**PLESOX**



**The DIFFERENT STOMACH TREATMENT**

**50% PROFIT ON OUTLAY**

**SALES ARE SOARING FROM STRENGTH TO STRENGTH**

Most long-standing cases of stomach trouble do not respond to alkaline or antacid products and call for A SAFE, RELIABLE, REMEDY ON SOME QUITE DIFFERENT PRINCIPLE. AS THEY NEED SOONER OR LATER—whether in your shop or elsewhere—SUFFERERS WILL DISCOVER PLESOX—and become satisfied WHY LOSE such grateful customers with their constant repeat orders and recommendations to others.

Order now at 23s. mixed display cartons (8 small 4 medium) **SHOWING 50% PROFIT ON OUTLAY**

RETAIL PRICES:

2/3d. plus 3d. P. Tax. 4/1½d. plus 5½d. P. Tax. 6/9d. plus 9d. P. Tax.

Distributors for Great Britain: **SPLENDOR LIMITED**, Nottingham

**GRANTO LABORATORIES LTD., 2 PARKSHOT, RICHMOND, SURREY**

**MORE THAN A BANDAGE —**



**— NOT A PLASTER**

- NO KNOTS · NO PINS
- PLENTY OF GOOD INFORMATIVE ADVERTISING
- ADEQUATE DISPLAY MATERIAL
- GENEROUS TRADE TERMS

**PRESTOBAND**

THE ANTISEPTIC SELF-ADHESIVE BANDAGE

SOLE DISTRIBUTORS: FASSETT & JOHNSON LTD.  
86, CLERKENWELL ROAD, LONDON, E.C.1.

## ASMIDAR SPECIALITIES

at present available

**PIPERAZINE (Asmidar)**  
Effervescent Granules

A uric acid solvent—3 oz. size.

**GLUTONINE (Asmidar)**

**Strychnine Gluconate**—Gives prolonged action with decreased toxicity

Boxes 8 x 1 c.c. ampoules 0·002, 0·0035, 0·005

**SULPHAZOL CREAM (Asmidar)**

Containing 5% Sulphathiazole in non-greasy ointment indicated in cases of Impetigo and coccal infection  
Size—½ oz. Tubes.

**ASMIDAR ANTI-RHEUMATIC OINTMENT**

Non Greasy Non Staining Analgesic  
Size—½ oz. Tubes.

**ICHTHAMMOL B.P.**

With high organically combined sulphur content.

Literature and fuller information on these Preparations can be supplied on request.

**ASMIDAR LTD.**

16 DOUGLAS STREET, LONDON, S.W.  
(Telephone: Victoria 5556)

# FENNINGS

FAMOUS FOR OVER 80 YEARS

**PATA**

**FENNINGS' FEVER MIXTURE** .. ..  $\frac{1}{3}$  a bottle

(If difficult to obtain write direct to Messrs. SUTTON & SONS, 12 Brandon Rd., London, N.7.)

**FENNINGS' LITTLE HEALERS**

For Coughs, Colds, Bronchitis, etc.  $\frac{1}{3}$  and  $\frac{3}{4}$ . Also  $\frac{6}{-}$  Carton  
of 12 Packets, retailing at 6d. each.

**FENNINGS' OINTMENT.** Demand Steadily Increasing

For Cuts, Burns, Bruises, Chilblains, etc.  $\frac{1}{3}$  a tin

**FENNINGS' WORM POWDERS** ... ..

**FENNINGS' STOMACH STRENGTHENERS** ... ..

**FENNINGS' RHEUMATIC DROPS**— ... ..

$\frac{1}{3}$  and  $\frac{3}{4}$  boxes

$\frac{1}{3}$  a bottle

Please address orders and inquiries to your Wholesaler

**N.B.—FENNINGS' POWDERS (Children's and Adults')**

The supply position is improving, and larger quantities will soon be available

**PROPRIETORS: THE TRUSTEES OF ALFRED FENNINGS (DECEASED)**  
**COWES, Isle of Wight**

## EXPORT

SYSTEM of PERMANENT  
WAVING  
PERFUMERY and TOILET  
REQUISITES  
PERFUMERY in SMART PACKS  
QUALITY EXTRA. PRICE, MEDIUM.

Also:—Enquiries invited for  
all your Perfumery and Toilet  
Requirements. Export Trade.  
LEE-NARVILL LABORATORIES,  
ANLABY ROAD, HULL.

### EGYPTIAN HENNA

Book your Requirements whilst  
Stocks available.

Price  $\frac{6}{6}$  per lb.

L. L. N. & CO. LTD. "S" Dept.  
Albermarle House, Anlaby Road, Hull

### SOAPLESS SHAMPOO

POWDER or LIQUID, in BULK  
or PRE-PACKED.

Your enquiries to:

LENNARD, LEE-NARVILL & Co. Ltd.

Lee-Narvill Laboratories, Anlaby Rd. Hull



## 3 profitable 'STANLAST' lines

**CODEINE CO.**  
**ASPIRIN**  
**CASCARA SAGRADA**

We are making a special feature  
of these three ready-sellers and  
invite your enquiries for any  
quantity—also please write for  
particulars of 'Stanlast' Crepe  
Bandages, Packed Pharmaceuticals  
and Tablets and Pills of  
every description.

**STANNING**

**PROPRIETARIES LTD**

**32 ST. JAMES'S STREET, LONDON, S.W.1**



# Dettol

BRAND

# Ointment

Effectively bactericidal yet non-irritant; emollient and penetrative: combining these qualities 'Dettol' Ointment (*P-chlor-m-xylene*l and other active principles of 'Dettol') is ideally adapted to the treatment of septic conditions of the skin.

*Packed in 1-lb. and 7-lb. jars  
for Hospital and Surgery use.*

BECKITT AND SONS, HULL AND LONDON

PHARMACEUTICAL DEPT., HULL

## LABELS OF DISTINCTION

For Wholesale Manufacturing  
& Retail Chemists

MEDICAL and DISPENSING LABELS, TOILET, COSMETIC and PERFUME, largest range of STOCK LABELS (attractive two-colour 50-60 wordings), SHAMPOO POWDER ENVELOPES and INNERS, also SACCHARINE TABLET ENVELOPES, with name and address. We can also offer multi-coloured advertising stamps in exclusive designs.

Send for our  
extensive sample  
range

## CARILLON PRESS LTD

Artists in the Production of Fine Labels  
BOURNEMOUTH

## INDIA

## EXPORT OFFERINGS

★

*Botanicals and Crude Drugs,  
Spices, Seeds, Waxes, Gums,  
Essential and Vegetable Oils,  
Forest Products, etc.*

★

*Musk Pods and Grains a speciality*

★

*Quotations with samples for allied  
foreign items invited*

★

THE INDIGENOUS  
MANUFACTURES & PRODUCE  
(SALES) CO.

160 GOVINDAPPA NAICK STREET  
MADRAS

# SUPPORT THOSE WHO SUPPORT YOU



Per-de-Co, the established denture adhesive with tens of thousands of regular users, is the **ONLY** denture adhesive which, although publicly advertised, can be purchased from chemists only.

CHRISTY'S

## PER-DE-CO

Sole Distributors:

THOS. CHRISTY & CO. LTD. · FARNHAM · SURREY  
FARNHAM 5796

# IF YOU'RE OUT OF ONE RECOMMEND THE OTHER



In these days, when, do what we will, we cannot always cope with demand, there is an added advantage in the two kinds of Parmint and their three sizes.

All our Press advertising features both Parmints and mentions all their prices. At the moment the 1/5 ready for use Parmint Syrup is in short supply. If you are temporarily out of stock, recommend your customers to take a 2/10 bottle or a 3/1½d. bottle of the Parmint Concentrated Essences.



and

**PATA**

**INTERNATIONAL LABORATORIES LTD.**  
1-3, SMEDLEY STREET, LONDON, S.W.8





# TO BRING YOU EXTRA PROFIT!

Your customers cannot fail to see these advertisements for VENTAY BRONCHIAL TABLETS — part of the present campaign in the leading national and provincial Press. Be sure of your share of the new business they will bring you by ordering from your usual wholesaler or direct.

7½d. size — 5/3 ; 1/0 size — 9/4 ; per doz. inc. tax.  
Packed in units of 3 doz.—containers of 4 units.

## HOWARD-TAYLOR LTD

Manufacturing Chemists

89 KINGSWAY, LONDON, W.C.

A reputation  
for reliability . . .

# "Sentinel"

ALL COTTON WOOL

## SANI-TOWELS

"with the soft seamless knitted covering"

SIZES 1, 2, 3 AND MATERNITY

also

'KUMFEX' SOLUBLE

(all with loop ends)

★ Supplies unfortunately restricted at present  
SPLENDOR LTD. Nottingham & London



Grape sugar, phosphates and vitamins are all contained in Winox—not only a wine but a predigested food acceptable to enfeebled digestions. Because supplies are short, please help us to reserve available stocks for invalids only.

# WINOX

THE MEAT AND MALT WINE

BEAUFOYS WINES LTD., VILLIERS ROAD, KINGSTON  
Sole distributors to the Pharmaceutical Trade:  
BROOKS & WARBURTON LTD., 232 VAUXHALL BRIDGE ROAD, S.W. 1.



# A Few "4702" products



**"VALENTINE"**  
TRADE MARK

SHOULDER PADS



"DUCHESS"  
"ROYAL"  
"PRINCESS"  
"ACCENTUATE"  
"EXAGGERATE"



COMPACT

**"EVERSURE"**  
TRADE MARK  
SANI-PANTIE

**"MODERN MISS"**  
TRADE MARK  
SANITARY BRIEF



WATERPROOF  
AND  
WASHABLE  
NO BELT NEEDED



DRESS SHIELDS



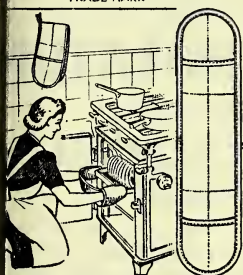
**"LUNA"**  
TRADE MARK  
MODERN  
SANITARY  
TOWEL

*The Greatest  
Boon & Comfort*



GIVES COMPLETE  
PROTECTION

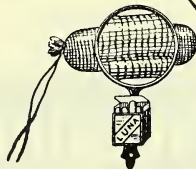
**"VICTORY"**  
TRADE MARK



THE  
"MAJESTIC MAJOR"  
BABY  
PANTS



EVEN GLOVE PADS ALSO COT SHEETS & ACCOUCHEMENT SHEETS



**EXPORT QUOTA AVAILABLE**

**MADE IN ENGLAND**

**24, HIGH STREET WANSTEAD, LONDON E.11**



Make *THIS* a *BUMPER* Year!

*Stock*

# S O J A N C O S M E T I C S

and increase your sales. Send Ten shilling  
Postal Order for sample range of Perfumes,  
Creams, Brilliantines and Powders.

PATRICK, JAMES & COMPANY, HIGH ST.,  
KINGSTON-ON-THAMES



"Simpkins Glucose  
Confections again!"

says MEDICALITY

Now that Simpkins Glucose Confections are de-zoned please tell us number of points you have available and we will at once inform you of our ability to supply under M.O.F. regulations.

## GLUCOSE MEDICATIONS

Distribution by allocation will continue as hitherto. You are invited to apply immediately stating whether you are a datum or non-datum year purchaser chemist.

## VITA GLUCOSE

Supplies available for Diabetics only.

**Simpkins**

**of Sheffield**



## "BACK AT SLOUGH"

### Please Note Change of Address

The Government have handed back our premises and we hope shortly to be better able to meet your requirements.


## THE MENTHOLATUM CO., LTD. SLOUGH BUCKS

Mentholatum Balm is backed by consistent Advertising and sells readily in Tins and Jars at 1/5 (inc. tax). Also Mentholatum Nasal Liquid (with applicator) 1/5

Please address all communications to—  
**THE MENTHOLATUM CO., LTD., SLOUGH**  
Telephone: SLOUGH 23341

# Be Prepared!

More and more people, both through our advertising and through their experience, are getting to know that SevenSeaS Cod Liver Oil is the answer to sun-starvation. Add two facts—that 1946 was a poor year for sunshine, and that this is the sixth winter of fat rationing, and you see why we say—be prepared for a strong run on your SevenSeaS supplies—oil *and* capsules!





# Nearly Five times the Profit

FOR  
ONE-SIXTH OF  
THE TROUBLE

The 24/- size 'Curicones'—the FULL treatment—is the size your customers ask for. This choice is wise both from their point of view and your own.

**YOU ENJOY THESE ADVANTAGES BY STOCKING THE CURICONES 24/- SIZE**

1. You make nearly five times the profit for one sixth of the trouble. (The 24/- size contains 6 times the quantity of the 5/- size).

2. You sell the equivalent of six bottles of 'Curicones' at one sale—and thus avoid the customer buying only one bottle from you, and the other five bottles elsewhere.

3. Your turnover is quicker. Time is saved.

4. You are cementing goodwill. Obstinate cases of Rheumatic affliction yield to the full course of 'Curicones.'

ORDER A  $\frac{1}{2}$  DOZ. FROM YOUR WHOLESALER TO-DAY—and satisfy your customers.

# CURICONES

*for the relief of*  
**RHEUMATISM and KINDRED ILLS**

Remember 'Curicones' is a P.A.T.A. Line showing 33 $\frac{1}{3}$ % profit, nationally advertised and recommended by the medical profession. Showcard sent on request.

STEPHEN MATTHEWS & COMPANY LIMITED  
19/21 FARRINGTON STREET, LONDON, E.C.4

Large Size  
**24/-**

## A SUPPLY BULLETIN

### DIUROMIL

Now again readily available  
Please inform us if you have  
any difficulty in obtaining your  
requirements.

**P.A.T.A.**

### RALGEX

Owing to a temporary hold-up  
in the supply of containers, we  
have this month been com-  
pelled to issue reduced quotas.  
We hope to be able to resume  
normal deliveries within a few  
weeks.

## PHARMAX LTD.

IBEX HOUSE, MINORIES, E.C.3

## A Household Name — MEL ROSE —

—and the reputation of sixty years—  
is the guarantee that you will find

### 'Antebam' ANTISEPTIC Cream

a pleasure to sell.

AND you have our assurance that it is one of the most perfect preparations of its kind ever to be placed on the market, of unexampled quality and maximum value.

IN ADDITION local advertising and  
show material will assist your sales.

1/6 JAR—10/6 doz. 2/6 JAR—18/- doz  
plus  $\frac{1}{4}$  th purchase tax

The Mel Rose Healing Tablet and  
the Mel Rose Foot Salve and  
Chilblain Tablet

need no introduction—they are still best sellers.

3d. size of either kind—21/- per gross

6d. " " " —42/- " "  
plus  $\frac{1}{4}$  th purchase tax

All leading Wholesale Houses can supply without delay

**ROBERTS & SHEPPEY, Ltd.,**  
Holton Mill, Oxford

# At 5 months baby needs a CEREAL FOOD

## Recommend M.O.F.—the *fortified* Infant Cereal

**A**T about 5 months mixed feeding should begin. At this stage it is usual to include a cereal food in the infant's diet. This is the time when an infant needs M.O.F. — the fortified infant cereal.

M.O.F. is a finely sieved oat flour fortified with Vitamin D, Calcium, Phosphorus and Iron and specially processed for quick cooking.

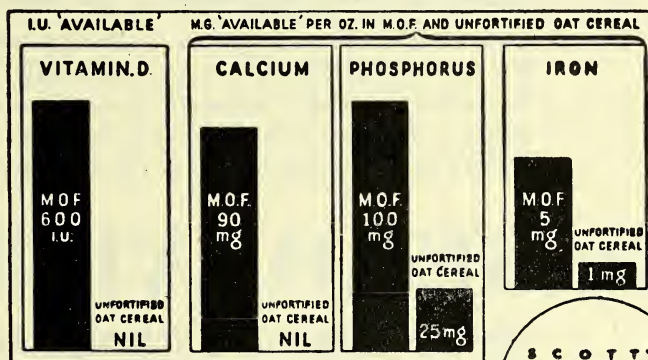
### WHEN AND HOW TO GIVE IT

The use of M.O.F. normally begins with the introduction of mixed feeding. It should be made to a thick consistency and may be spoon fed before the normal breast or bottle feed. Small quantities given at first should be increased as the infant progresses, M.O.F. forming one of the staple factors of a mixed diet.

Where artificial feeding must start at an early age M.O.F. can be given as from 3 months.

### HOW DOES IT COMPARE WITH OTHER CEREAL FOODS?

One of the reasons why progressive medical opinion recommends M.O.F. is because it is more than a cereal. M.O.F. is a fortified food. How it compares with non-fortified infant cereals can be seen in this chart.



M.O.F. IS PREPARED BY A. & R. SCOTT LTD.  
WEST MILL, GOLINTON, MIDLOTHIAN, SCOTLAND.







**Known  
on both  
sides of  
the  
counter**

**T**O both the chemist and his customers SeroCalcin is now well-known, not only for the prevention but also for the treatment of colds. The demand at present is very great and every indication points to its continuing and increasing throughout the winter.

Your co-operation is sought in ordering your supplies. We are most anxious to give you good delivery service but, under present conditions, there may be unavoidable delays. So please look ahead and place your orders so that we have a margin of time in which to execute them.

# SEROCALCIN

**FOR THE PREVENTION & TREATMENT OF COLDS**

---

**HARWOODS LABORATORIES LIMITED**  
WATFORD, HERTS

---

Phone WATFORD 44

# BRITISH ALKALOIDS AND FINE CHEMICALS

# Whiffen

## BROMIDES & IODIDES

ATROPINE	CAMPHOR	CAFFEINE
EMETINE	QUININE	SALICIN
STRYCHNINE	NICOTINE	NICOTINIC ACID
MERCURIALS	VERMILION	PRUNELLA
ESSENTIAL OILS	CLOVE OIL	
SANDALWOOD OIL		
EXTRACT OF IPECAC. LIQ.		
DRUG GRINDING		

## THEOPHYLLINE

*World conditions may determine Availability  
of supplies*

# WHIFFEN & SONS, LTD.

INCORPORATING GEORGE ATKINSON & COMPANY. ESTABLISHED 1654

FULHAM, LONDON, S.W.6

Phone: Renown 3416

\*Grams: Whiffen, London





"Leda"

B A B Y  
P O W D E R

Brings  
**MOST PROFIT**  
TO YOU



ASK YOUR WHOLESALER  
FOR SUPPLIES

**LEDA CHEMICALS LTD • LONDON • N.19**

ARCHway 4877

*Sole Agents for Scotland :*

**SOUTHERN MANUFACTURING CO. LTD.**  
187, St. Vincent Street, Glasgow, C.2

*Sole Agents for N. Ireland :*

**WHYTE, REID & MITCHELL, LTD.**  
61/63, Donegall Pass, Belfast





